

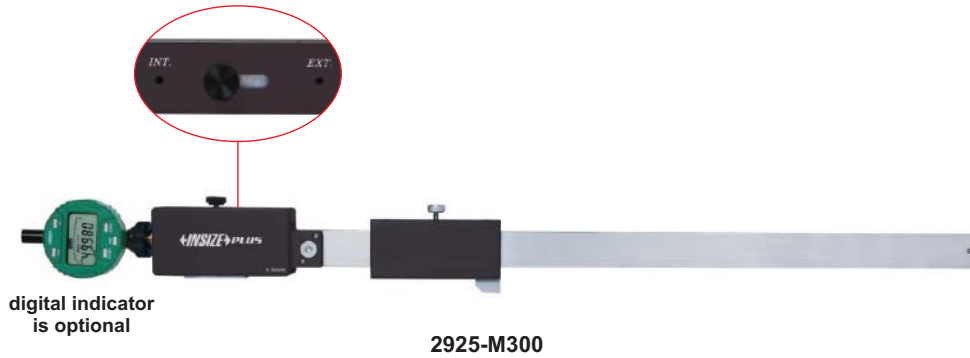


UNIVERSAL COMPARISON GAGES

INSIZE PLUS
MADE IN EUROPE

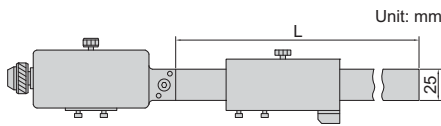
2

internal and external measurement switch



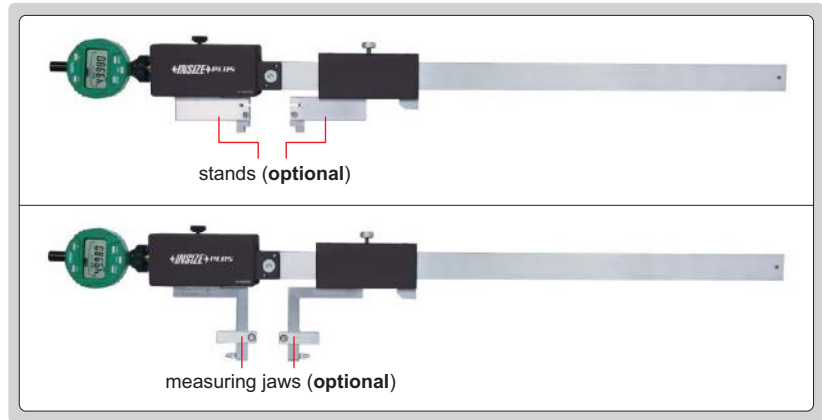
digital indicator is optional

2925-M300



- For measuring external diameter, internal diameter, center distance, etc.
- Moving range of probe: 10mm, effective measuring range: ±2mm
- Optional accessory: cylinder gage blocks (4001 series), gage block accessories (6881 series), gage block holder (6886 series)

working with stands or measuring jaws



Code	External range	Internal range	L	Repeatability *	Accuracy *
2925-M300	0-300mm/0-12"	25-300mm/1"-12"	400mm	2µm	5µm
2925-M500	0-500mm/0-20"	25-500mm/1"-20"	620mm	2µm	5µm
2925-M1000	0-1000mm/0-40"	25-1000mm/1"-40"	1150mm	2µm	5µm

* Repeatability and accuracy are assured within the effective range of ±2mm after zero setting

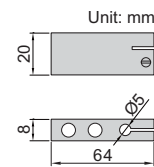
Digital indicator (optional)



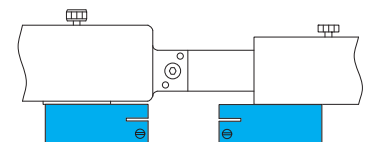
Resolution: 0.001mm/0.00005"

Code	Range
2103-10F	12.7mm/0.5"

Stands (optional, supplied in pair)

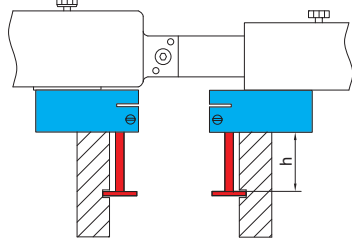
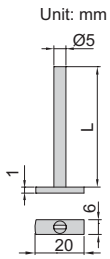


Code
2925-C



To be continued

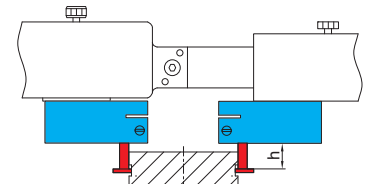
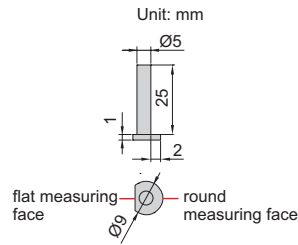
Rectangular points (optional, supplied in pair)



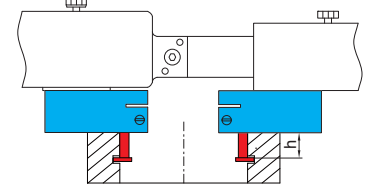
Measuring the distance between two parallel planes
(2925-P101 depth $h < 12\text{mm}$)
(2925-P102 depth $h < 45\text{mm}$)

Unit: mm	
Code	L
2925-P101	25
2925-P102	60

Disk points (optional, supplied in pair)



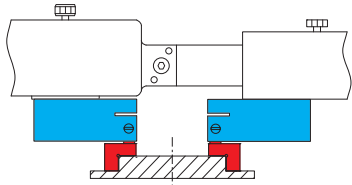
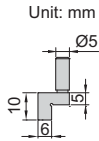
Measuring external groove diameter with flat measuring face (depth $h \leq 10\text{mm}$)



Measuring internal groove diameter with round measuring face (depth $h \leq 10\text{mm}$)

Code
2925-S101

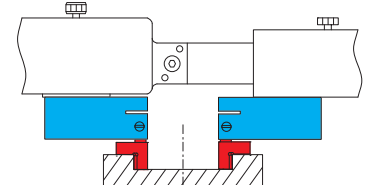
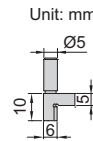
Flat shoulder points (optional, supplied in pair)



Measuring outside diameter of shallow steps

Code
2925-J101

Round shoulder points (optional, supplied in pair)



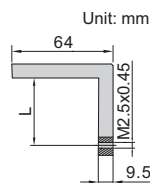
Measuring inside diameter of shallow holes

Code
2925-J201

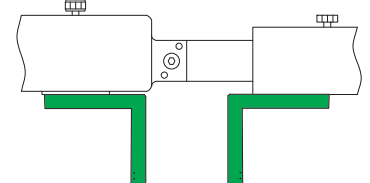
Measuring jaws (optional, supplied in pair)



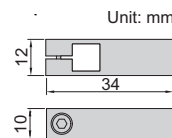
2925-Z50



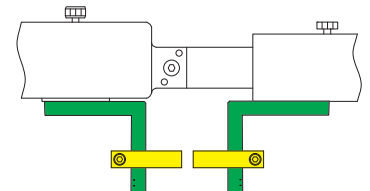
Code	Length (L)
2925-Z25	25mm
2925-Z50	50mm
2925-Z100	100mm



Depth stops (optional, supplied in pair)

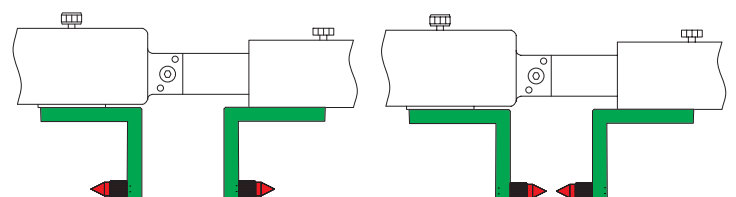
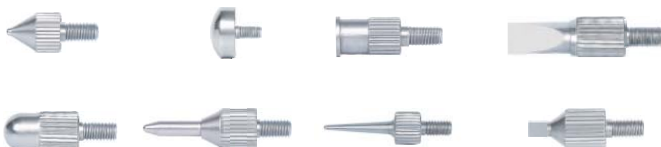


Code
2925-H



Points (optional, supplied in single)

Refer to page (161~163)



To be continued

Continued from previous page

2

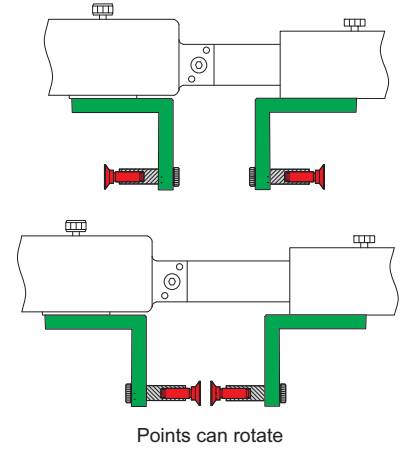
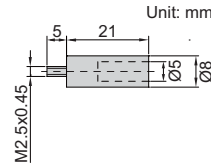
Multifunctional points 7392* (optional, supplied in pair)
refer to 1526-200 for more details



* It is necessary to use point sleeves (code 2923-T101) for these points

Point sleeves (optional, supplied in pair)

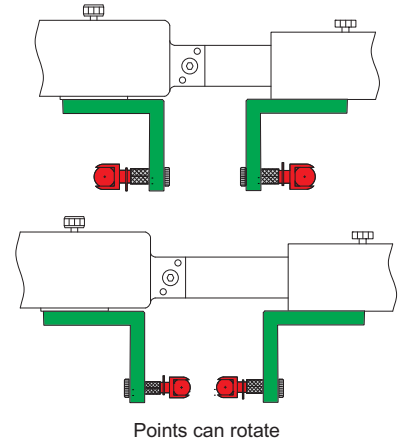
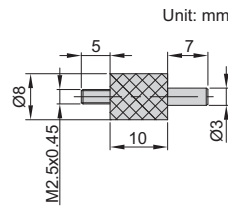
Code
2923-T101



Ball points 7383* (optional, supplied in pair)
Refer to page 117



Point sleeves (optional, supplied in pair)
Code
2923-T201

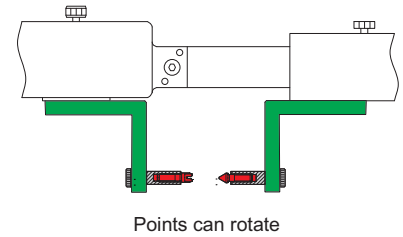
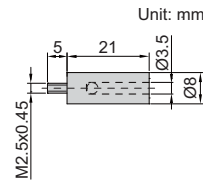


* It is necessary to use point sleeves (code 2923-T201) for these points

Measuring points for external screw thread micrometers 7384* (optional, supplied in pair)
Refer to page 71



Point sleeves (optional, supplied in pair)
Code
2923-T301

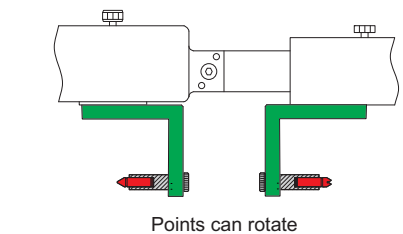
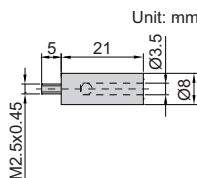


* It is necessary to use point sleeves (code 2923-T301) for these points

Measuring points for internal screw thread micrometers 7385* (optional, supplied in pair)
Refer to page 118



Point sleeves (optional, supplied in pair)
Code
2923-T301



* It is necessary to use point sleeves (code 2923-T301) for these points

working with stands

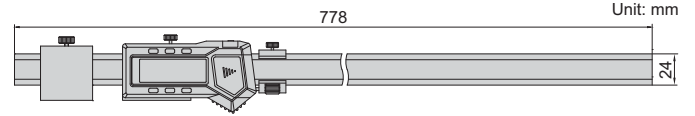
working with measuring jaws



1125-600

- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

DATA OUTPUT



With data interface (data output cable code 7315-22, 7302-22, optional)

Code	Range *	Resolution	Accuracy
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm



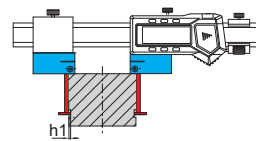
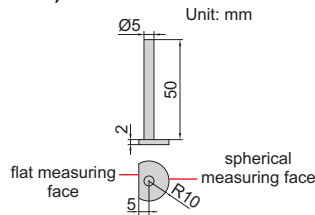
VIDEO

Built-in wireless

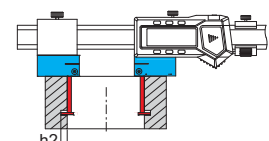
Code	Range *	Resolution	Accuracy
1125-600WL	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm

*The range changes according to different points

Half disk points (included)

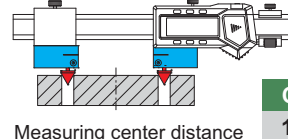
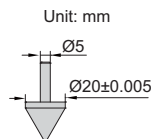


Measuring external groove diameter with flat measuring face (depth $h1 \leq 2.5$ mm)



Measuring internal groove diameter with spherical measuring face (depth $h2 \leq 7.5$ mm)

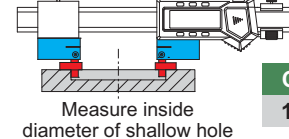
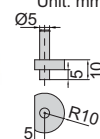
Conical points (optional)



Measuring center distance

Code
1125-T101

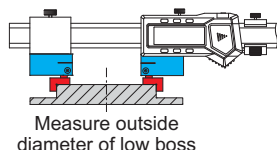
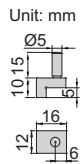
Round shoulder points (optional)



Measure inside diameter of shallow hole

Code
1125-T102

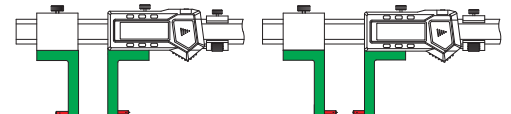
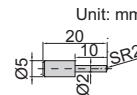
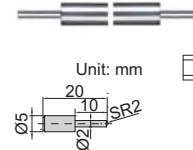
Flat shoulder points (optional)



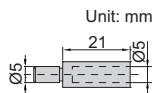
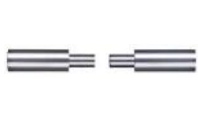
Measure outside diameter of low boss

Code
1125-T103

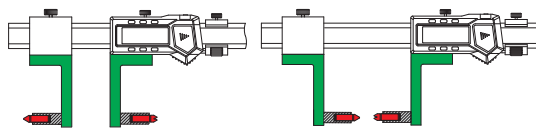
Spherical points (included)



Point sleeve (optional)

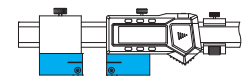
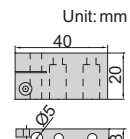


Code
1125-T104

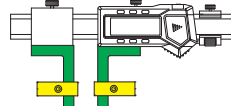
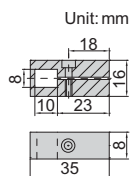


Working with multifunctional points, ball points and screw thread points

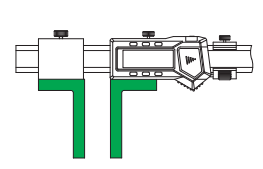
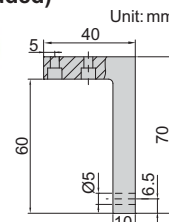
Stands (included)



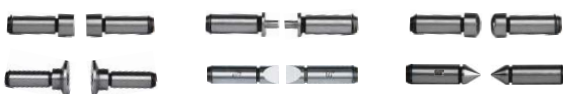
Depth stop (included)



Measuring jaws (included)



Multifunctional points 7392* (optional, next page)



Ball points 7391* (optional, next page)



Screw thread points 7381*, 7321* (optional, next page)



*It is necessary to use point sleeve (code 1526-T101) for these points

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1526-200

2

short spherical points (included) Unit: mm



long spherical/flat points (included) Unit: mm



spherical blade points (included) Unit: mm



1526-200

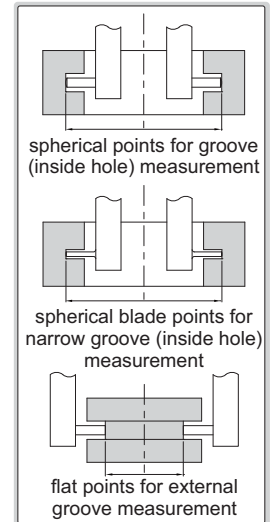


DATA OUTPUT

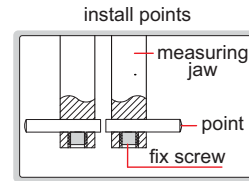
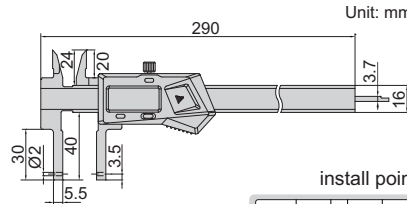
zero setting block for external measurement (included)



measure internal and external grooves

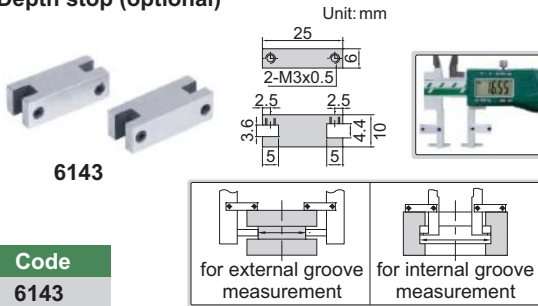


- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points, data output cable (code 7315-21, 7302-21)

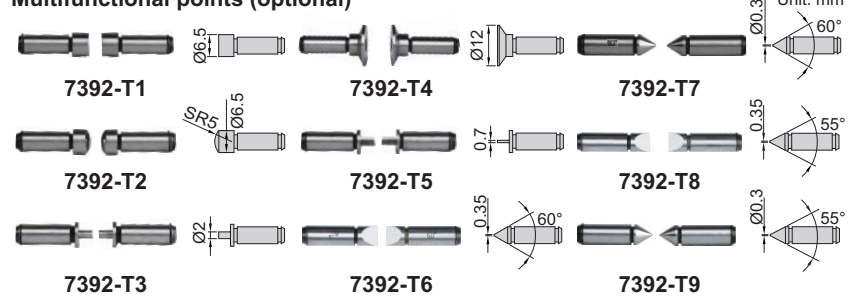


Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5" (internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	for narrow grooves inside hole

Depth stop (optional)

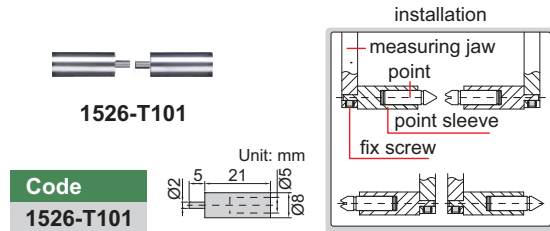


Multifunctional points (optional)



* It is necessary to use point sleeve (code 1526-T101) for these points

Point sleeve (optional)



Screw thread points (optional)



Ball points (optional)

Code 7391-T5

Code	Ball dia.(D)
7391-T3*	SØ2.0mm
7391-T4*	SØ2.5mm
7391-T5*	SØ3.0mm
7391-T6*	SØ3.5mm
7391-T7*	SØ4.0mm
7391-T8*	SØ4.5mm
7391-T9*	SØ5.0mm
7391-T10*	SØ6.0mm

Unit: mm

* It is necessary to use point sleeve (code 1526-T101) for these points

Internal thread (60° thread angle)

Code	Pitch
7321-T11*	0.4-0.5mm/64-48TPI
7321-T12*	0.6-0.9mm/44-28TPI
7321-T13*	1-1.75mm/24-14TPI
7321-T14*	2-3mm/13-9TPI
7321-T15*	3.5-5mm/8-5TPI
7321-T16*	5.5-7mm/4.5-3.5TPI
7321-T1S*	6 pairs/set, including all above points

External thread (60° thread angle)

Code	Pitch
7381-T11*	0.4-0.5mm/64-48TPI
7381-T12*	0.6-0.9mm/44-28TPI
7381-T13*	1-1.75mm/24-14TPI
7381-T14*	2-3mm/13-9TPI
7381-T15*	3.5-5mm/8-5TPI
7381-T16*	5.5-7mm/4.5-3.5TPI
7381-TS*	6 pairs/set, including all above points



DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1124-300A

DATA OUTPUT



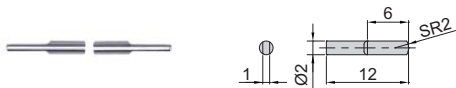
short spherical/flat points (included) Unit: mm



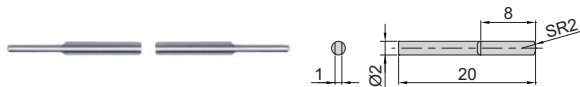
long spherical/flat points (included) Unit: mm



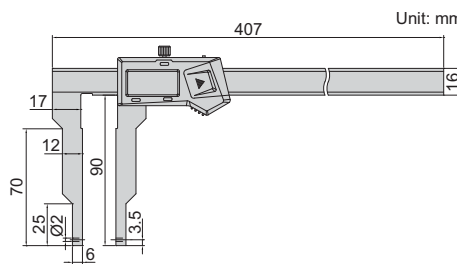
short spherical blade points (included) Unit: mm



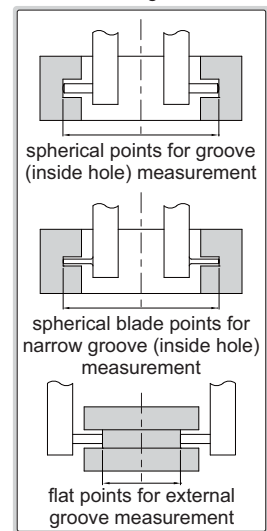
long spherical blade points (included) Unit: mm



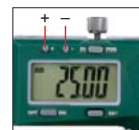
1124-300A



measure internal and external grooves



preset buttons



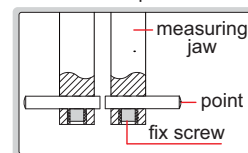
depth stop 6143 (optional)



zero setting block for external measurement (included)



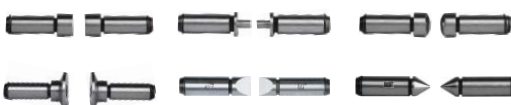
install points



- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable (code 7315-21, 7302-21)

Point	Range	Accuracy	Application
short spherical/flat points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/flat points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	for narrow grooves inside hole (large hole)

Multifunctional points 7392* (optional, refer to 1526-200 for more details)



Ball points 7391* (optional, refer to 1526-200 for more details)



Screw thread points 7381*, 7321* (optional, refer to 1526-200 for more details)



* It is necessary to use point sleeve (code 1526-T101) for these points

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS

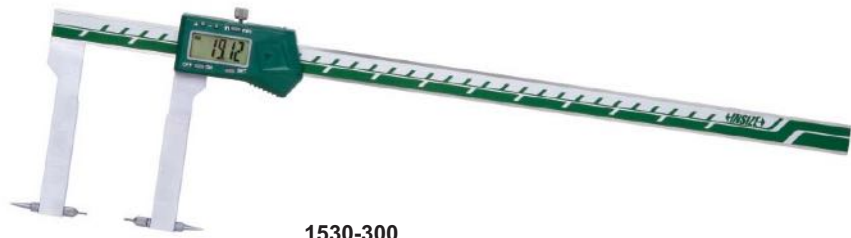
DATA OUTPUT

VARIOUS POINTS ARE AVAILABLE (PAGE 161~163)

2



preset buttons



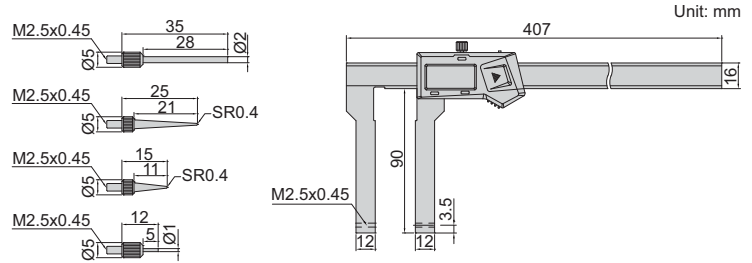
1530-300

- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (page 161~163), depth stop (code 6143), data output cable (code 7315-21, 7302-21)

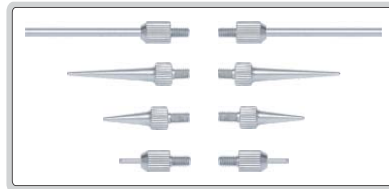
zero setting block for external measurement (included)



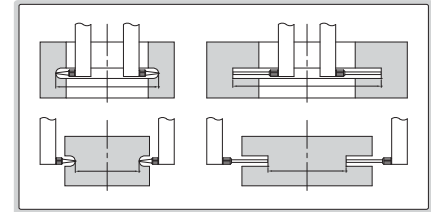
depth stop 6143 (optional)



4 pairs of points (included)



measure internal and external grooves



Code	Range *	Accuracy
1530-300	0-300mm/0-12"	±0.04mm

*For different points, the measuring range changes accordingly

DIGITAL INSIDE GROOVE CALIPERS

preset buttons

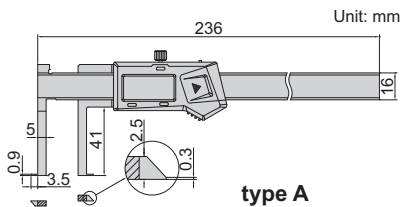


1520-150

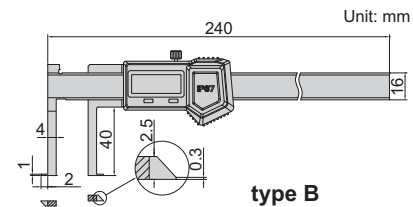
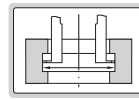


1520-150P

depth stop 6143 (optional)



type A



type B

- Measure diameter of grooves inside small bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -), type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

No dust/waterproof, built-in wireless

Code	Range	Type	Accuracy
1520-150WL	11-150mm/0.43-6"	A	±0.04mm

No dust/waterproof, with data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Type	Accuracy
1520-150	11-150mm/0.43-6"	A	±0.04mm

IP67 dust/waterproof, without data interface, no automatic power off, set zero after power on each time

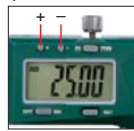
Code	Range	Type	Accuracy
1520-150P	8-150mm/0.31-6"	B	±0.04mm

DIGITAL INSIDE GROOVE CALIPERS

depth stop 6143
(optional)



preset buttons



1120-150A
type A

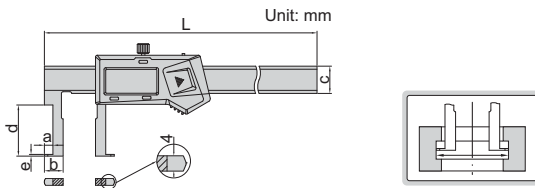


1120-150B
type B



1120-150P
type C

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -),
type B: on/off, zero, mm/inch,
type C: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop
(code 6143, for calipers with c=16mm)



No dust/waterproof, with data interface, preset (no need to add the width of the jaws on the reading) (mm)

Code	Range	Type	Accuracy	L	a	b	c	d	e	Data output cable (optional)
1120-150A	22-150mm/0.87-6"	A	±0.04mm	250	5	11	16	30	1	7315-21, 7302-21
1120-1501	35-150mm/1.38-6"	A	±0.06mm	250	6	17.5	16	60	1.5	7315-21, 7302-21
1120-200A	25-200mm/0.98-8"	A	±0.04mm	310	5	12.5	16	40	1	7315-21, 7302-21
1120-2001	40-200mm/1.57-8"	A	±0.06mm	310	7	20	16	70	2.5	7315-21, 7302-21
1120-300A	30-300mm/1.18-12"	A	±0.05mm	410	5	15	16	50	1.5	7315-21, 7302-21
1120-3001	50-300mm/1.97-12"	A	±0.07mm	410	8	25	16	80	2.5	7315-21, 7302-21
1120-500	40-500mm/1.57-20"	A	±0.07mm	680	5	20	24	90	2.2	7315-22, 7302-22
1120-5001	60-500mm/2.36-20"	A	±0.08mm	680	10	30	24	120	3.4	7315-22, 7302-22
1120-5002	80-500mm/3.15-20"	A	±0.08mm	680	16	40	24	150	5.2	7315-22, 7302-22

No dust/waterproof, built-in wireless, preset (no need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	e
1120-150AWL	22-150mm/0.87-6"	A	±0.04mm	250mm	5mm	11mm	16mm	30mm	1mm
1120-1501WL	35-150mm/1.38-6"	A	±0.06mm	250mm	6mm	17.5mm	16mm	60mm	1.5mm
1120-200AWL	25-200mm/0.98-8"	A	±0.04mm	310mm	5mm	12.5mm	16mm	40mm	1mm
1120-2001WL	40-200mm/1.57-8"	A	±0.06mm	310mm	7mm	20mm	16mm	70mm	2.5mm
1120-300AWL	30-300mm/1.18-12"	A	±0.05mm	410mm	5mm	15mm	16mm	50mm	1.5mm
1120-3001WL	50-300mm/1.97-12"	A	±0.07mm	410mm	8mm	25mm	16mm	80mm	2.5mm
1120-500WL	40-500mm/1.57-20"	A	±0.07mm	680mm	5mm	20mm	24mm	90mm	2.2mm
1120-5001WL	60-500mm/2.36-20"	A	±0.08mm	680mm	10mm	30mm	24mm	120mm	3.4mm
1120-5002WL	80-500mm/3.15-20"	A	±0.08mm	680mm	16mm	40mm	24mm	150mm	5.2mm

No dust/waterproof, no preset (need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	e
1120-150B	50-150mm/1.97-6"	B	±0.06mm	270mm	8mm	25mm	20mm	90mm	3.4mm
1120-200B	60-200mm/2.36-8"	B	±0.06mm	320mm	10mm	30mm	20mm	100mm	3.4mm
1120-300B	60-300mm/2.36-12"	B	±0.07mm	420mm	10mm	30mm	20mm	110mm	3.4mm

IP67 dust/waterproof, without data interface, no automatic power off, set zero after power on each time, no preset (need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	e
1120-150P	22-150mm/0.87-6"	C	±0.04mm	250mm	5mm	11mm	16mm	30mm	1mm

DIGITAL INSIDE POINT CALIPERS

2

DATA OUTPUT

preset buttons



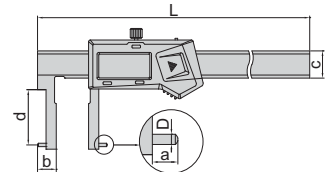
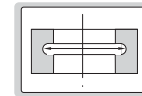
1121-150A
type A

depth stop 6143
(optional)



1121-150B
type B

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop
(code 6143, for calipers with c=16mm)



With data interface, preset (no need to add the width of the jaws on the reading)

(mm)

Code	Range	Type	Accuracy	L	a	b	c	d	D	Data output cable (optional)
1121-150A	24-150mm/0.94-6"	A	±0.04mm	250	5	12	16	28	∅2	7315-21, 7302-21
1121-1501	35-150mm/1.38-6"	A	±0.05mm	250	6	17.5	16	60	∅2	7315-21, 7302-21
1121-200A	25-200mm/0.98-8"	A	±0.04mm	310	5	12.5	16	37	∅2	7315-21, 7302-21
1121-2001	40-200mm/1.57-8"	A	±0.05mm	310	7	20	16	70	∅3	7315-21, 7302-21
1121-300A	30-300mm/1.18-12"	A	±0.07mm	410	5	15	16	50	∅2	7315-21, 7302-21
1121-3001A	50-300mm/1.97-12"	A	±0.07mm	410	8	25	16	77	∅3	7315-21, 7302-21
1121-500A	40-500mm/1.57-20"	A	±0.07mm	680	5	20	24	90	∅3	7315-22, 7302-22
1121-5001	60-500mm/2.36-20"	A	±0.08mm	680	10	30	24	120	∅3	7315-22, 7302-22
1121-5002	80-500mm/3.15-20"	A	±0.08mm	680	16	40	24	150	∅3	7315-22, 7302-22

Built-in wireless, preset (no need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	D
1121-150AWL	24-150mm/0.94-6"	A	±0.04mm	250mm	5mm	12mm	16mm	28mm	∅2mm
1121-1501WL	35-150mm/1.38-6"	A	±0.05mm	250mm	6mm	17.5mm	16mm	60mm	∅2mm
1121-200AWL	25-200mm/0.98-8"	A	±0.04mm	310mm	5mm	12.5mm	16mm	37mm	∅2mm
1121-2001WL	40-200mm/1.57-8"	A	±0.05mm	310mm	7mm	20mm	16mm	70mm	∅3mm
1121-300AWL	30-300mm/1.18-12"	A	±0.07mm	410mm	5mm	15mm	16mm	50mm	∅2mm
1121-3001AWL	50-300mm/1.97-12"	A	±0.07mm	410mm	8mm	25mm	16mm	77mm	∅3mm
1121-500AWL	40-500mm/1.57-20"	A	±0.07mm	680mm	5mm	20mm	24mm	90mm	∅3mm
1121-5001WL	60-500mm/2.36-20"	A	±0.08mm	680mm	10mm	30mm	24mm	120mm	∅3mm
1121-5002WL	80-500mm/3.15-20"	A	±0.08mm	680mm	16mm	40mm	24mm	150mm	∅3mm

No preset, need to add the width of the jaws on the reading

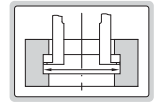
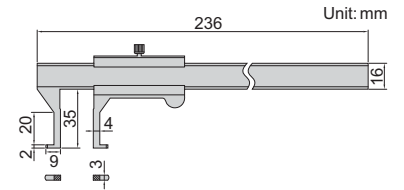
Code	Range	Type	Accuracy	L	a	b	c	d	D
1121-150B	50-150mm/1.97-6"	B	±0.06mm	270mm	8mm	25mm	20mm	90mm	∅3mm
1121-200B	60-200mm/2.36-8"	B	±0.06mm	320mm	10mm	30mm	20mm	100mm	∅3mm
1121-300B	60-300mm/2.36-12"	B	±0.07mm	420mm	10mm	30mm	20mm	110mm	∅3mm

INSIDE GROOVE VERNIER CALIPER

- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface

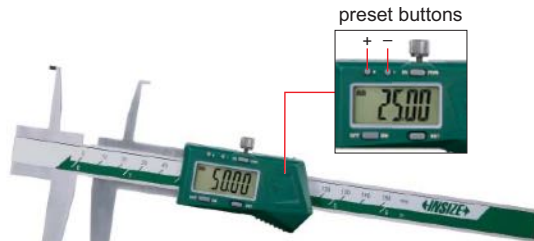


1262-150A



Code	Range	Graduation	Accuracy
1262-150A	18-150mm	0.02mm	±0.04mm

DIGITAL INSIDE GROOVE CALIPERS

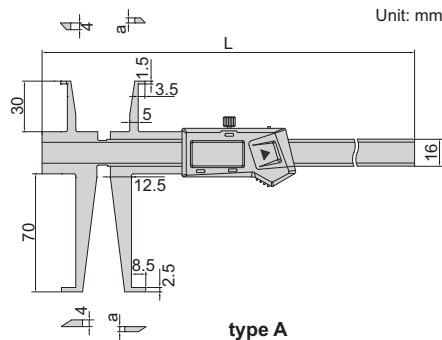


1176-150

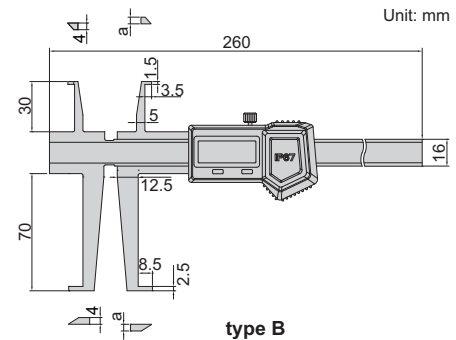


1176-150P

depth stop 6143 (optional)



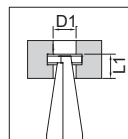
type A



type B

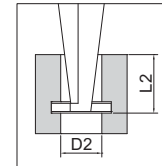
- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured (use upper jaws)



(mm)	
D1	L1
Ø9	<8
Ø10	<15
Ø11~200	<30

sizes to be measured (use lower jaws)



(mm)	
D2	L2
Ø17	<16
Ø18	<28
Ø19	<40
Ø20	<50
Ø21	<58
Ø22~150	<70

No dust/waterproof, with data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	L	a
1176-150	9-150mm/0.35-6"	17-150mm/0.70-6"	A	±0.04mm	260mm	3mm
1176-200	9-200mm/0.35-8"	17-200mm/0.70-8"	A	±0.05mm	320mm	4mm

No dust/waterproof, built-in wireless

Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	L	a
1176-150WL	9-150mm/0.35-6"	17-150mm/0.70-6"	A	±0.04mm	260mm	3mm
1176-200WL	9-200mm/0.35-8"	17-200mm/0.70-8"	A	±0.05mm	320mm	4mm

IP67 dust/waterproof, without data interface, no automatic power off, set zero after power on each time

Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	a
1176-150P	9-150mm/0.35-6"	17-150mm/0.70-6"	B	±0.04mm	4mm

DIGITAL DEEP HOLE INSIDE GROOVE CALIPERS

2



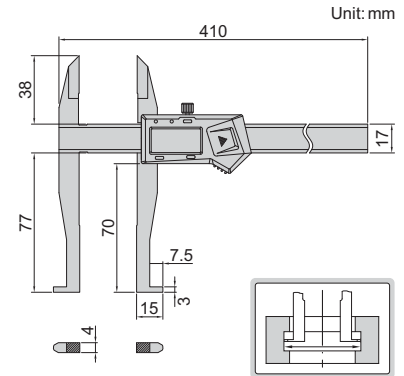
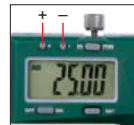
1129-300

- Measure diameter of grooves inside deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

depth stop 6143 (optional)



preset buttons



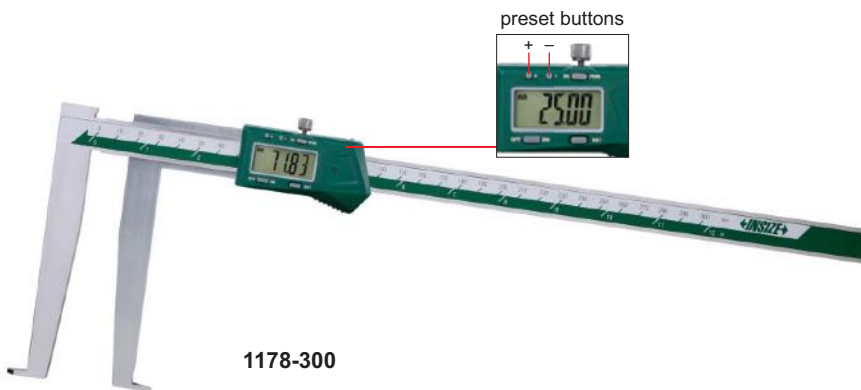
With data interface
(data output cable code 7315-21, 7302-21, optional)

Code	Range of upper jaw	Range of lower jaw	Accuracy
1129-300	0-300mm/0-12"	30-300mm/1.2-12"	±0.04mm

Built-in wireless

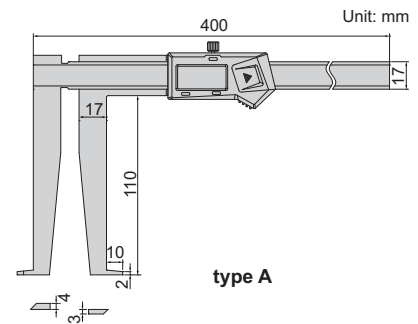
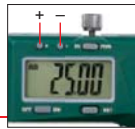
Code	Range of upper jaw	Range of lower jaw	Accuracy
1129-300WL	0-300mm/0-12"	30-300mm/1.2-12"	±0.04mm

DIGITAL INSIDE GROOVE CALIPERS

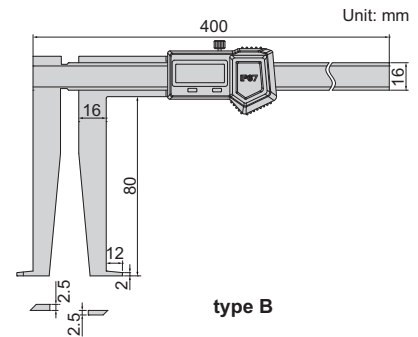


1178-300

preset buttons

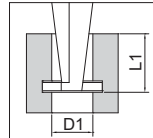


1178-300P



- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -), type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured



depth stop 6143 (optional)



No dust/waterproof, built-in wireless

Code	Range	Type	Accuracy
1178-300WL	25-300mm/1.18-12"	A	±0.05mm

No dust/waterproof, with data interface
(data output cable code 7315-21, 7302-21, optional)

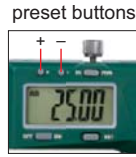
Code	Range	Type	Accuracy
1178-300	25-300mm/1.18-12"	A	±0.05mm

IP67 dust/waterproof, without data interface,
no automatic power off, set zero after power on each time

Code	Range	Type	Accuracy
1178-300P	33-300mm/1.30-12"	B	±0.05mm

DATA OUTPUT

- Measure distance of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel



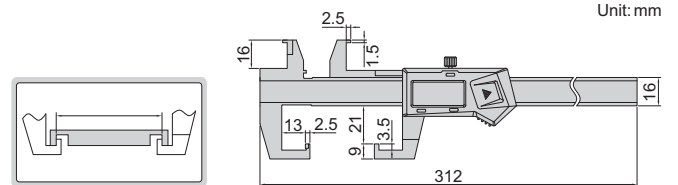
1128-200

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range of upper jaw	Range of lower jaw	Accuracy
1128-200	10-200mm/0.39-8"	3-200mm/0.12-8"	±0.03mm

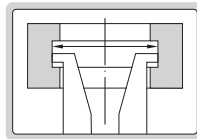
Built-in wireless

Code	Range of upper jaw	Range of lower jaw	Accuracy
1128-200WL	10-200mm/0.39-8"	3-200mm/0.12-8"	±0.03mm



DATA OUTPUT

- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



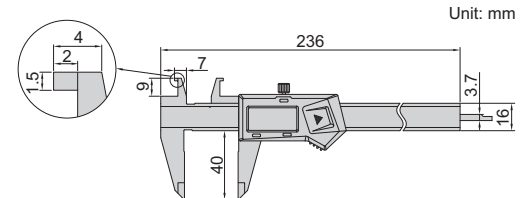
1191-150

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range of upper jaw	Range of lower jaw	Accuracy
1191-150	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm

Built-in wireless

Code	Range of upper jaw	Range of lower jaw	Accuracy
1191-150WL	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm

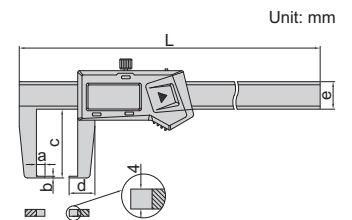


DATA OUTPUT

- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)



1187-150A



With data interface

Code	Range	Accuracy	L	a	b	c	d	e	Data output cable (optional)
1187-150A	0-150mm/0-6"	±0.04mm	250	5	1	40	15	16	7315-21, 7302-21
1187-200A	0-200mm/0-8"	±0.05mm	310	9	1.5	80	23	16	7315-21, 7302-21
1187-300A	0-300mm/0-12"	±0.06mm	490	12	2	150	36	24	7315-22, 7302-22

Built-in wireless

Code	Range	Accuracy	L	a	b	c	d	e
1187-150AWL	0-150mm/0-6"	±0.04mm	250	5	1	40	15	16
1187-200AWL	0-200mm/0-8"	±0.05mm	310	9	1.5	80	23	16
1187-300AWL	0-300mm/0-12"	±0.06mm	490	12	2	150	36	24

depth stop 6143 (optional)



DIGITAL OUTSIDE NECK CALIPERS

DIGITAL OUTSIDE POINT CALIPERS

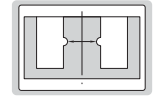
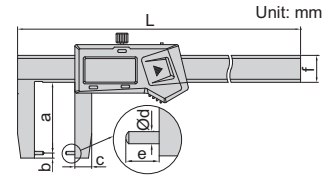
DATA OUTPUT

2

- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)



1185-150A



With data interface

Code	Range	Accuracy	L	a	b	c	Ød	e	f	Data output cable (optional)
1185-150A	0-150mm/0-6"	±0.04mm	250	40	3	10	2	5	16	7315-21, 7302-21
1185-200A	0-200mm/0-8"	±0.05mm	310	80	3	14	3	9	16	7315-21, 7302-21
1185-300A	0-300mm/0-12"	±0.06mm	490	150	3	20	3	12	24	7315-22, 7302-22

(mm)

Built-in wireless

Code	Range	Accuracy	L	a	b	c	Ød	e	f
1185-150AWL	0-150mm/0-6"	±0.04mm	250	40	3	10	2	5	16
1185-200AWL	0-200mm/0-8"	±0.05mm	310	80	3	14	3	9	16
1185-300AWL	0-300mm/0-12"	±0.06mm	490	150	3	20	3	12	24

depth stop 6143 (optional)



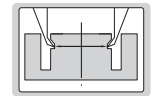
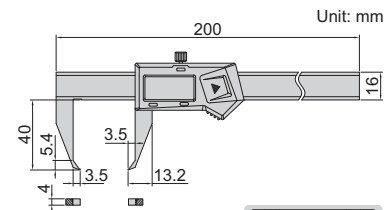
DIGITAL OUTSIDE GROOVE CALIPERS

DATA OUTPUT

- Measure grooves and recesses in small spaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1535-100



With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1535-100	0-100mm/0-4"	±0.03mm

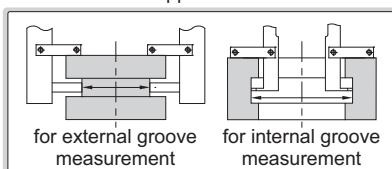


Built-in wireless

Code	Range	Accuracy
1535-100WL	0-100mm/0-4"	±0.03mm

DEPTH STOP FOR CALIPERS

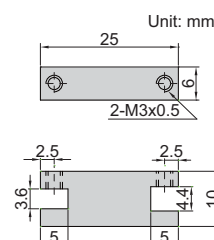
application



6143

- Supplied in pair
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1530, 1520, 1176, 1178, 1120, 1121, 1187, 1129 and 1185

Code
6143



DATA OUTPUT

DIGITAL CALIPERS WITH POSITIONING SURFACES

- Lower jaws with positioning surfaces, for measuring inside diameters quickly
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1534-200

preset buttons

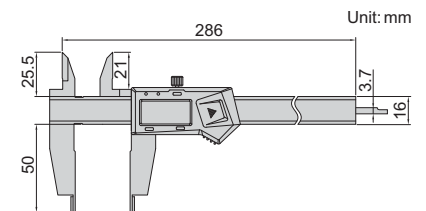
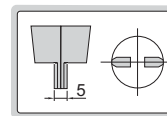
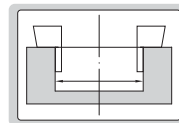


With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1534-200	0-200mm/0-8"	±0.03mm

Built-in wireless

Code	Range	Accuracy
1534-200WL	0-200mm/0-8"	±0.03mm



Unit: mm

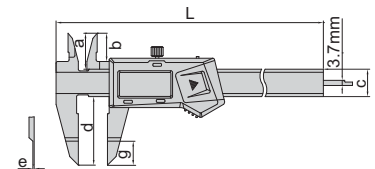
DATA OUTPUT

DIGITAL BLADE CALIPERS

- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

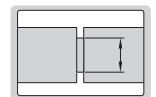


1188-150A



With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy	L	a	b	c	d	e	g
1188-150A	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200A	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300A	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm



Built-in wireless

Code	Range	Accuracy	L	a	b	c	d	e	g
1188-150AWL	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200AWL	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300AWL	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm

DIGITAL SMALL POINT CALIPERS

- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1169-150

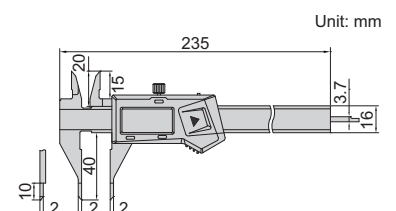
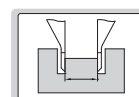
DATA OUTPUT

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1169-150	0-150mm/0-6"	±0.03mm

Built-in wireless

Code	Range	Accuracy
1169-150WL	0-150mm/0-6"	±0.03mm



Unit: mm

DIGITAL POINT CALIPERS

- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1183-150A

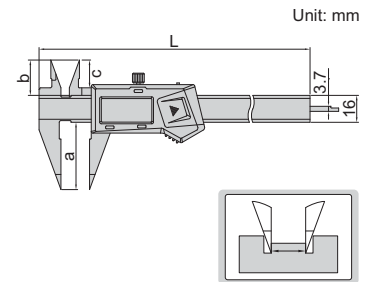
DATA OUTPUT

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy	L	a	b	c
1183-150A	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200A	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300A	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm

Built-in wireless

Code	Range	Accuracy	L	a	b	c
1183-150AWL	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200AWL	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300AWL	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm



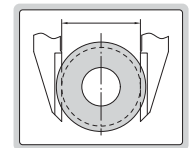
DIGITAL CALIPERS WITH KNIFE EDGE LOWER JAWS

DATA OUTPUT

- Measure diameter of narrow grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1532-200

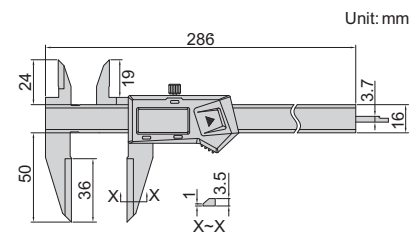


With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1532-200	0-200mm/0-8"	±0.03mm

Built-in wireless

Code	Range	Accuracy
1532-200WL	0-200mm/0-8"	±0.03mm



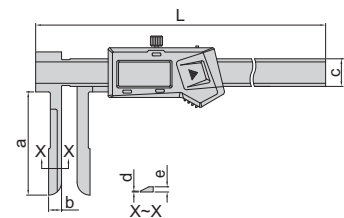
DIGITAL INSIDE KNIFE-EDGE CALIPERS

- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1123-150A

DATA OUTPUT

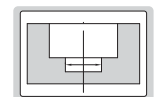


With data interface

Code	Range	Accuracy	L	a	b	c	d	e	Data output cable (optional)
1123-150A	15-150mm/0.6-6"	±0.05mm	250	60	12	16	0.3	3.5	7315-21, 7302-21
1123-200A	20-200mm/0.8-8"	±0.06mm	305	100	17	16	0.3	3.5	7315-21, 7302-21
1123-300A	24-300mm/0.9-12"	±0.06mm	500	150	22	24	0.5	3.5	7315-22, 7302-22

Built-in wireless

Code	Range	Accuracy	L	a	b	c	d	e
1123-150AWL	15-150mm/0.6-6"	±0.05mm	250	60	12	16	0.3	3.5
1123-200AWL	20-200mm/0.8-8"	±0.06mm	305	100	17	16	0.3	3.5



DATA OUTPUT

DIGITAL CALIPERS WITH LONG UPPER JAWS

- Long upper jaws for measuring diameter of deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



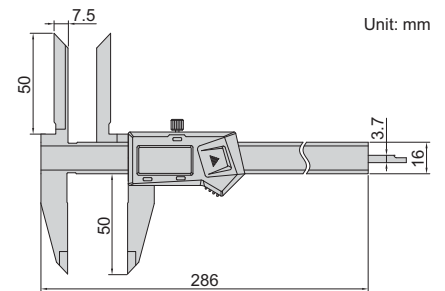
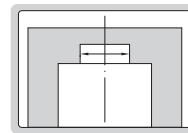
1138-200

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1138-200	0-200mm/0-8"	±0.04mm

Built-in wireless

Code	Range	Accuracy
1138-200WL	0-200mm/0-8"	±0.04mm

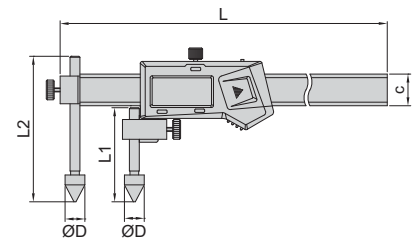


DATA OUTPUT

DIGITAL OFFSET CENTERLINE CALIPERS



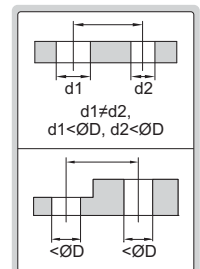
1192-150A



- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface

Code	Range	Accuracy	c	ØD	L1	L2	L	Data output cable (optional)
1192-150A	10-150mm/0.4-6"	±0.05mm	16	10	46	79	236	7315-21, 7302-21
1192-200A	10-200mm/0.4-8"	±0.07mm	16	10	46	79	286	7315-21, 7302-21
1192-300A	10-300mm/0.4-12"	±0.09mm	16	10	46	79	396	7315-21, 7302-21
1192-500A	20-500mm/0.8-20"	±0.09mm	24	20	52	112	725	7315-22, 7302-22
1192-1000A	30-1000mm/1.2-40"	±0.12mm	31	30	52	112	1255	7315-22, 7302-22
1192-1500A	30-1500mm/1.2-60"	±0.15mm	42	30	52	112	1805	—



Built-in wireless

Code	Range	Accuracy	c	ØD	L1	L2	L
1192-150AWL	10-150mm/0.4-6"	±0.05mm	16	10	46	79	236
1192-200AWL	10-200mm/0.4-8"	±0.07mm	16	10	46	79	286
1192-300AWL	10-300mm/0.4-12"	±0.09mm	16	10	46	79	396
1192-500AWL	20-500mm/0.8-20"	±0.09mm	24	20	52	112	725

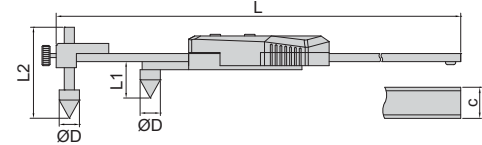
DIGITAL BACK-JAW CENTERLINE CALIPERS

2

- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1177-200



With data interface

(mm)

Code	Range	Accuracy	ØD	c	L1	L2	L	Data output cable (optional)
1177-200	10-200mm/0.4-8"	±0.10mm	10	16	18	45	310	7315-21, 7302-21
1177-300	10-300mm/0.4-12"	±0.10mm	10	16	18	45	410	7315-21, 7302-21
1177-500	20-500mm/0.8-20"	±0.10mm	20	24	26	70	692	7315-22, 7302-22
1177-1000	30-1000mm/1.2-40"	±0.12mm	30	31	39	70	1242	7315-22, 7302-22
1177-1500	30-1500mm/1.2-60"	±0.15mm	30	31	39	70	1745	7315-22, 7302-22

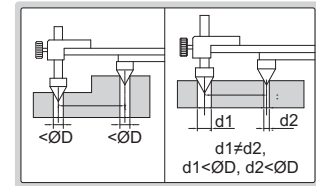
back-jaw



Built-in wireless

(mm)

Code	Range	Accuracy	ØD	c	L1	L2	L
1177-200WL	10-200mm/0.4-8"	±0.10mm	10	16	18	45	310
1177-300WL	10-300mm/0.4-12"	±0.10mm	10	16	18	45	410
1177-500WL	20-500mm/0.8-20"	±0.10mm	20	24	26	70	692

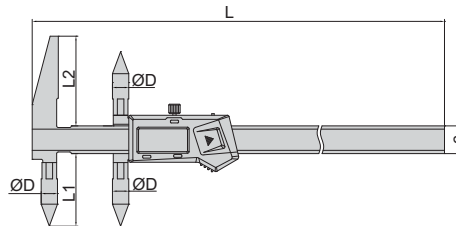


DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

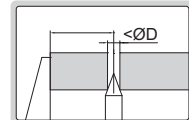


1525-300

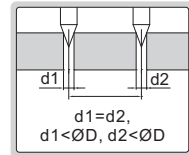
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



measure edge to hole center distance



measure hole center distance



With data interface

(mm)

Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L	Data output cable (optional)
1525-300	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410	7315-21, 7302-21
1525-3001	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	50	55	17	410	7315-21, 7302-21
1525-500	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	40	50	24	690	7315-22, 7302-22
1525-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.12mm	30	60	70	31	1255	7315-22, 7302-22
1525-1500	15-1500mm/0.6-60"	30-1500mm/1.2-60"	±0.15mm	30	60	70	31	1760	7315-22, 7302-22

Built-in wireless

(mm)

Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L
1525-300WL	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410
1525-3001WL	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	50	55	17	410
1525-500WL	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	40	50	24	690

DATA OUTPUT

DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)

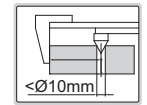
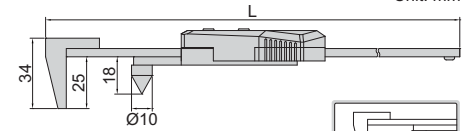


1524-200

preset buttons



Unit: mm



Code	Range	Accuracy	L
1524-200	5-200mm/0.2-8"	±0.1mm	310mm
1524-300	5-300mm/0.2-12"	±0.1mm	410mm

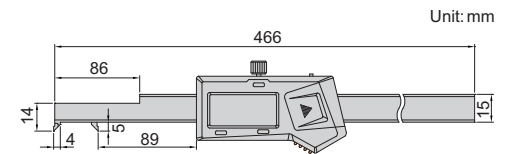
DATA OUTPUT

DIGITAL HOOK CALIPERS



1122-300

- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



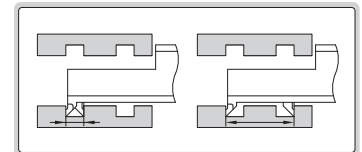
Unit: mm

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1122-300	4-300mm/0.16-12"	±0.04mm

Built-in wireless

Code	Range	Accuracy
1122-300WL	4-300mm/0.16-12"	±0.04mm



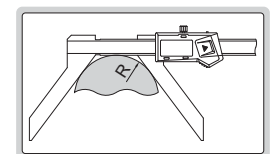
DATA OUTPUT

DIGITAL ARC RADIUS CALIPERS

- Measure the radius of arc less than half round
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1189-150B

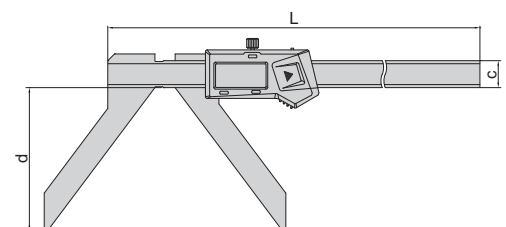


With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range (R)	Accuracy	L	c	d
1189-150B	5-150mm/0.2-6"	±0.05mm	263mm	16mm	65mm
1189-200B	5-200mm/0.2-8"	±0.07mm	313mm	16mm	85mm

Built-in wireless

Code	Range (R)	Accuracy	L	c	d
1189-150BWL	5-150mm/0.2-6"	±0.05mm	263mm	16mm	65mm
1189-200BWL	5-200mm/0.2-8"	±0.07mm	313mm	16mm	85mm



DIGITAL CALIPERS WITH ONE DIRECTION UPPER JAWS

2

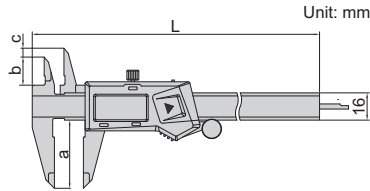


1184-200

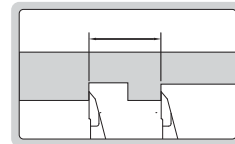


1184-150A

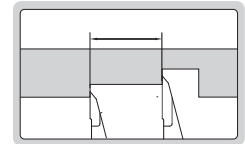
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21, 7302-21)



Unit: mm



jaws with same height used for measuring the distance in same level



jaws with different height used for measuring the distance in different level

Jaws with same height (mm)

Code	Range	Accuracy	L	a	b	c
1184-150	0-150mm/0-6"	±0.03mm	236	40	17	0
1184-200	0-200mm/0-8"	±0.03mm	286	50	20	0
1184-300	0-300mm/0-12"	±0.03mm	400	60	22	0

Jaws with different height (mm)

Code	Range	Accuracy	L	a	b	c
1184-150A	0-150mm/0-6"	±0.03mm	236	40	17	5
1184-200A	0-200mm/0-8"	±0.03mm	286	50	20	8
1184-300A	0-300mm/0-12"	±0.03mm	400	60	22	10

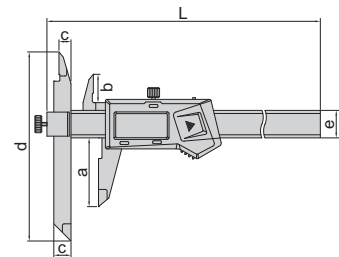
DIGITAL OFFSET CALIPERS

DATA OUTPUT



1186-150A

- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

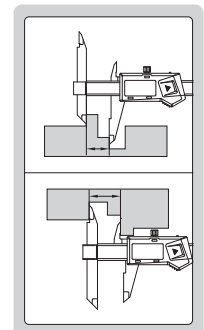


With data interface (data output cable code 7315-21, 7302-21, optional) (mm)

Code	Range	Accuracy	L	a	b	c	d	e	f
1186-150A	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7
1186-200A	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7
1186-300A	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7

Built-in wireless (mm)

Code	Range	Accuracy	L	a	b	c	d	e	f
1186-150AWL	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7
1186-200AWL	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7
1186-300AWL	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7



DIGITAL TUBE THICKNESS CALIPERS

- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



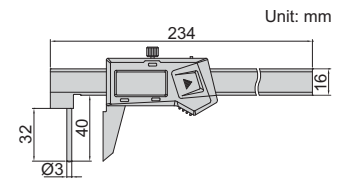
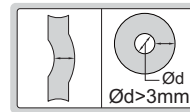
1161-150A

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1161-150A	0-150mm/0-6"	±0.05mm

Built-in wireless

Code	Range	Accuracy
1161-150AWL	0-150mm/0-6"	±0.05mm

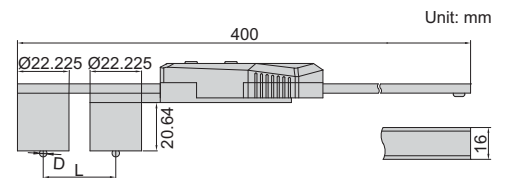


Unit: mm

DIGITAL CALIPER WITH INTERCHANGEABLE BALL TIPS



1527-3001



Unit: mm

back-jaw



ball tips are optional

preset buttons

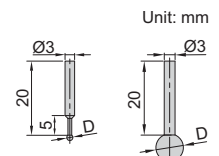


Ball tips (optional, supplied in pair)



1527-T101

1527-T104



Unit: mm

type A

type B

- Resolution 0.01mm/.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: ball tips, data output cable (code 7315-21, 7302-21)

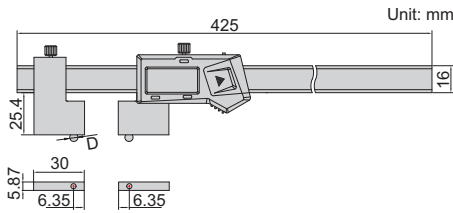
Code	Range	Accuracy
1527-3001	(22.22+D)~300mm*	±0.03mm

*"D" is the diameter of ball tips.

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	Ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	Stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	Stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	Stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	Stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	Stainless steel

DIGITAL CALIPER WITH INTERCHANGEABLE BALL TIPS

2



ball tips are optional **1528-3001**

- Resolution 0.01mm/.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: ball tips, data output cable (code **7315-21, 7302-21**)

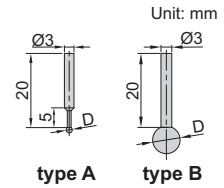


Ball tips (optional, supplied in pair)



1527-T101

1527-T104



type A

type B

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	Ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	Stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	Stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	Stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	Stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	Stainless steel

Code	Range	Accuracy
1528-3001	(12.7+D)~300mm*	±0.03mm

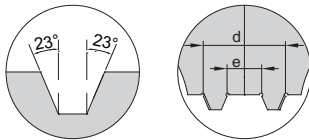
*"D" is the diameter of ball tips.

DIGITAL RTJ RING GROOVE CALIPERS

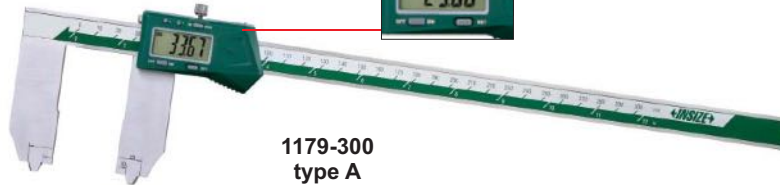
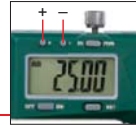
- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Made of stainless steel

applicable for RTJ ring grooves with angle 23°

d and e need to be added on the reading



preset buttons



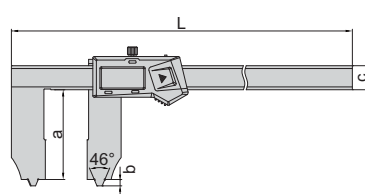
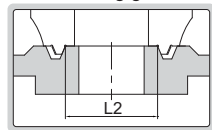
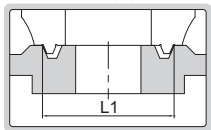
1179-300
type A



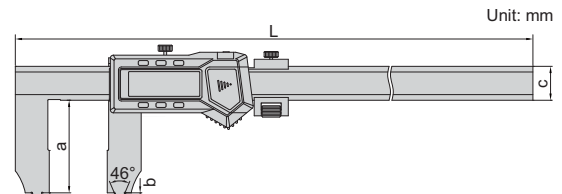
1179-600
type B

measure outside diameter of RTJ ring groove

measure inside diameter of RTJ ring groove



type A



type B

Unit: mm

With data interface

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Angle of RTJ ring groove	Accuracy	Type	L	a	b	c	d	e	Data output cable (optional)
1179-300	10-300mm/0.4-12"	25-300mm/1-12"	23°	±0.06mm	A	410	63.5	4.5	17	25	10	7315-21, 7302-21
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm	B	770	65.5	4.5	24	25	10	7315-22, 7302-22
1179-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	23°	±0.09mm	B	1220	90	5	31	30	15	7315-22, 7302-22

Built-in wireless

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Angle of RTJ ring groove	Accuracy	Type	L	a	b	c	d	e
1179-300WL	10-300mm/0.4-12"	25-300mm/1-12"	23°	±0.06mm	A	410	63.5	4.5	17	25	10
1179-600WL	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm	B	770	65.5	4.5	24	25	10

RELATIVE PRODUCT: CRIMP HEIGHT MICROMETER (CODE 3266-25BA, 3566-25BA)

DATA OUTPUT

- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel

With data interface (data output cable code 7315-21, 7302-21, optional)

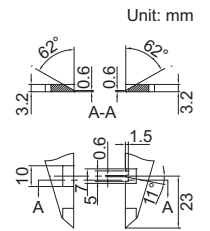
Code	Range	Accuracy
1165-150A	0-150mm/0-6"	±0.03mm

Built-in wireless

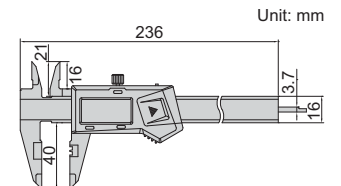
Code	Range	Accuracy
1165-150AWL	0-150mm/0-6"	±0.03mm



1165-150A



Unit: mm



Unit: mm

DATA OUTPUT

DIGITAL CALIPERS WITH LARGE MEASURING FACES

- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21, 7302-21, optional)

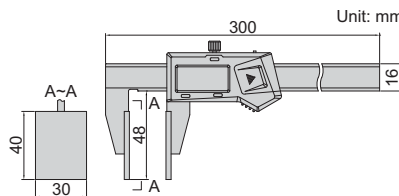
Code	Range	Accuracy
1172-200	0-200mm/0-8"	±0.07mm

Built-in wireless

Code	Range	Accuracy
1172-200WL	0-200mm/0-8"	±0.07mm

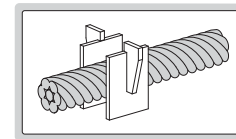


1172-200

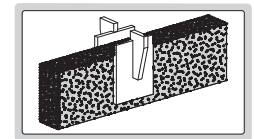


Unit: mm

measure diameter of wire ropes



measure thickness of rubber, sponge, etc.



DATA OUTPUT

DIGITAL CALIPERS WITH DISK FACES

- Measure thickness of soft sheets
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface

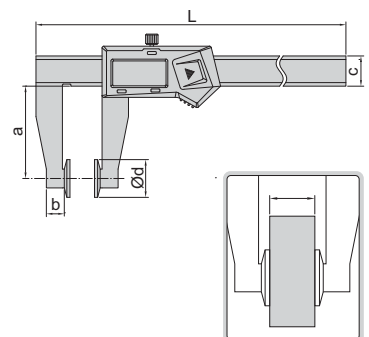
Code	Range	Accuracy	L	a	b	c	Ød	Data output cable (optional)
1533-150	0-150mm/0-6"	±0.04mm	245	50	11	16	20	7315-21, 7302-21
1533-200	0-200mm/0-8"	±0.05mm	310	80	11	16	30	7315-21, 7302-21
1533-500	0-500mm/0-20"	±0.07mm	680	150	20	24	50	7315-22, 7302-22

Built-in wireless

Code	Range	Accuracy	L	a	b	c	Ød
1533-150WL	0-150mm/0-6"	±0.04mm	245	50	11	16	20
1533-200WL	0-200mm/0-8"	±0.05mm	310	80	11	16	30
1533-500WL	0-500mm/0-20"	±0.07mm	680	150	20	24	50

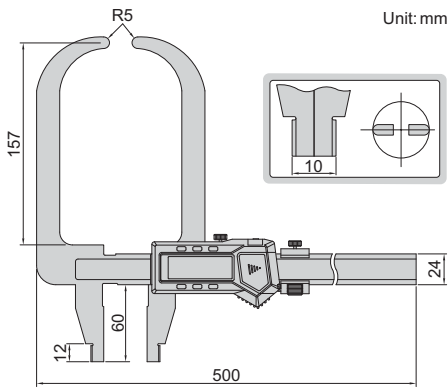


1533-150



DIGITAL WALL THICKNESS CALIPERS

DATA OUTPUT



1536-300

With data interface (data output cable code 7315-22, 7302-22, optional)

Code	Range	Accuracy
1536-300	0-300mm/0-12"	±0.05mm

Built-in wireless

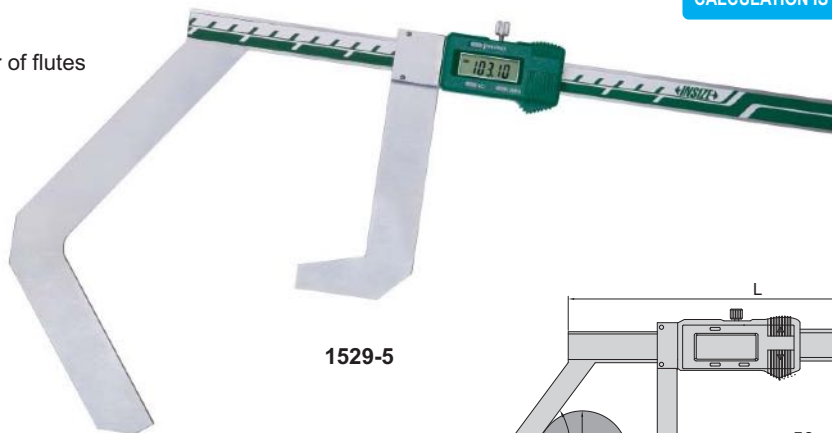
Code	Range	Accuracy
1536-300WL	0-300mm/0-12"	±0.05mm

- Measure wall thickness of helmets, domes and curved pots
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

DIGITAL V SHAPE CALIPERS

DIRECT READING, CALCULATION IS NOT REQUIRED

- Measure the outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Direct reading, calculation is not required
- Resolution: 0.01mm/0.0005"
- Buttons: mm/inch, on/off, origin set
- Battery LR44, automatic power off
- After automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel
- Optional accessory: 50mm calibration cylinder (code 6316-50), data output cable (code 7302-SPC9)

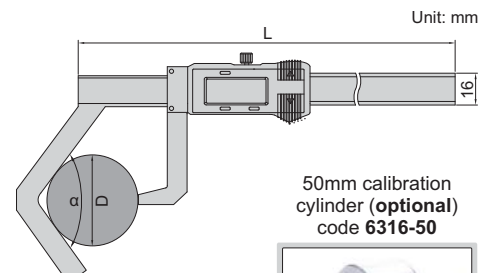


1529-5

DATA OUTPUT

Code	Range (D)	Flutes	Accuracy	Angle α	L
1529-3	50-200mm/2-8"	3	±0.06mm	60°	390mm
1529-5	50-200mm/2-8"	5	±0.06mm	108°	318mm
1529-19	50-200mm/2-8"	19	±0.06mm	85°15'47"	336mm
1529-23	50-200mm/2-8"	23	±0.06mm	70°26'5"	362mm
1529-31	50-200mm/2-8"	31	±0.06mm	75°29'2"	355mm

data output cable (optional) code 7302-SPC9



50mm calibration cylinder (optional) code 6316-50



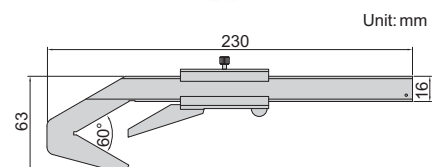
V SHAPE VERNIER CALIPER

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface



1273-403

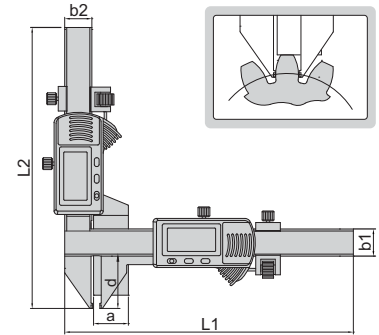
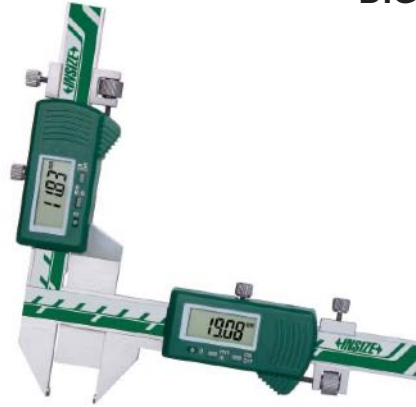
Code	Range	Graduation	Accuracy
1273-403	Ø4-40mm	0.05mm	±0.05mm



**ATTENTION:
NO DATA OUTPUT**

DIGITAL GEAR TOOTH CALIPERS

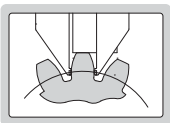
- Resolution: 0.01mm/0.0005"
- Carbide tips
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



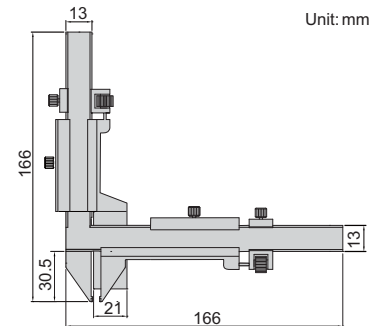
1181-M25A

Code	Range	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy	L1	L2	a	b1	b2	d
1181-M25A	M1-25mm	±0.03mm	±0.03mm	±0.04mm	170mm	165.5mm	21mm	16mm	16mm	30.5mm
1181-M50A	M5-50mm	±0.03mm	±0.03mm	±0.04mm	220mm	190mm	50.5mm	16mm	16mm	55mm

GEAR TOOTH VERNIER CALIPER



- Carbide tips
- Measure the tooth thickness by positioning the tooth height
- Made of stainless steel
- Satin chrome plated reading surface



1281-M26A

Code	Range	Graduation	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy
1281-M26A	M1-26mm	0.02mm	±0.03mm	±0.03mm	±0.04mm

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

DATA OUTPUT

DIGITAL DISK BRAKE CALIPERS

- Measure thickness of disk brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



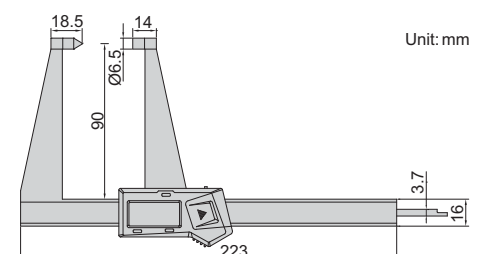
1162-125A

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1162-125A	0-125mm/0-5"	±0.05mm

Built-in wireless

Code	Range	Accuracy
1162-125AWL	0-125mm/0-5"	±0.05mm



DIGITAL DISK BRAKE AND PAD CALIPERS

- Measure thickness of disk brakes and pad wear
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1167-150A

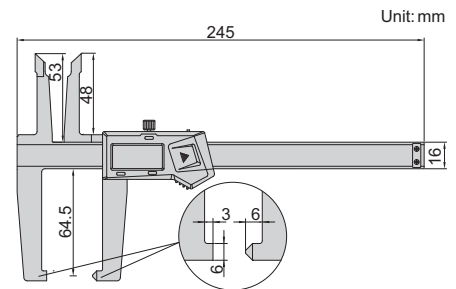


With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1167-150A	0-150mm/0-6"	±0.07mm

Built-in wireless

Code	Range	Accuracy
1167-150AWL	0-150mm/0-6"	±0.07mm



DIGITAL DRUM BRAKE CALIPERS



1168-300A

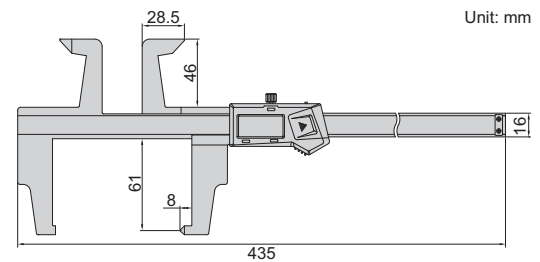
- Measure internal and external diameter of drum brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21, 7302-21, optional)

Code	Range	Accuracy
1168-300A	0-300mm/0-12"	±0.07mm

Built-in wireless

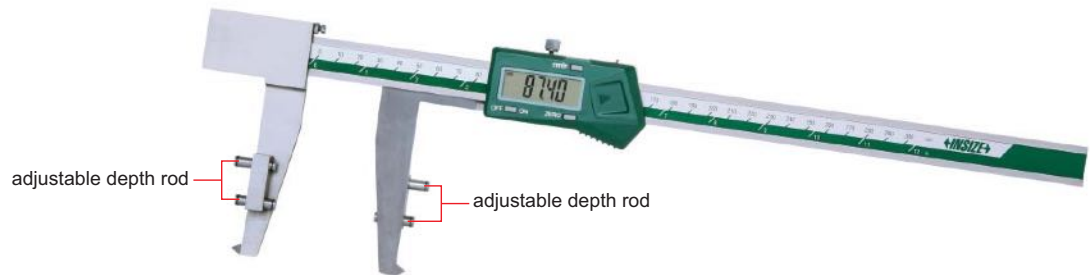
Code	Range	Accuracy
1168-300AWL	0-300mm/0-12"	±0.07mm



DIGITAL DRUM BRAKE CALIPER

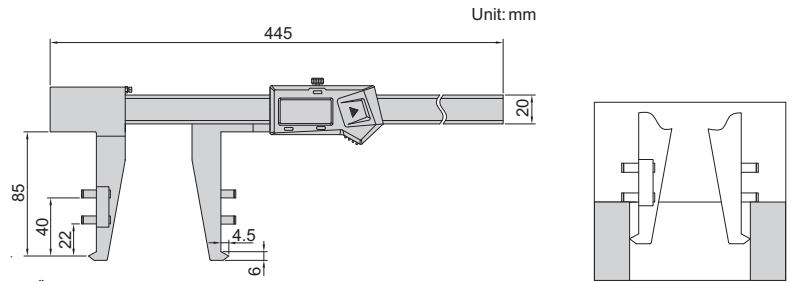
DATA OUTPUT

calibration block (included)



1538-300

- Measure internal diameter of drum brakes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22, 7302-22)



Code	Range	Accuracy
1538-300	30-300mm/1.2-12"	±0.05mm

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

IP67 WATERPROOF DIGITAL DEPTH GAGES

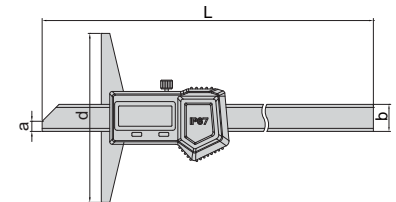
IP67 WATERPROOF

ATTENTION: NO DATA OUTPUT

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



1149-150



Code	Range	Accuracy	L	a	b	d
1149-150	0-150mm/0-6"	±0.03mm	240mm	6mm	16mm	100mm
1149-200	0-200mm/0-8"	±0.03mm	290mm	6mm	16mm	100mm
1149-300	0-300mm/0-12"	±0.03mm	390mm	6mm	16mm	150mm

ATTENTION: NO DATA OUTPUT

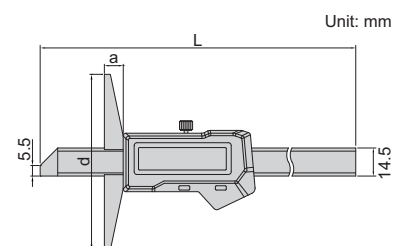
IP67 WATERPROOF

IP67 WATERPROOF DIGITAL DEPTH GAGES

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Large display
- Button function: zero, on/off, mm/inch
- Battery CR2032, automatic power off
- Meet DIN862
- Made of stainless steel



1541-150



Code	Range	Accuracy	L	a	d
1541-150	0-150mm/0-6"	±0.03mm	232.5mm	11mm	100mm
1541-200	0-200mm/0-8"	±0.03mm	285mm	11mm	100mm
1541-300	0-300mm/0-12"	±0.03mm	390mm	13.5mm	150mm