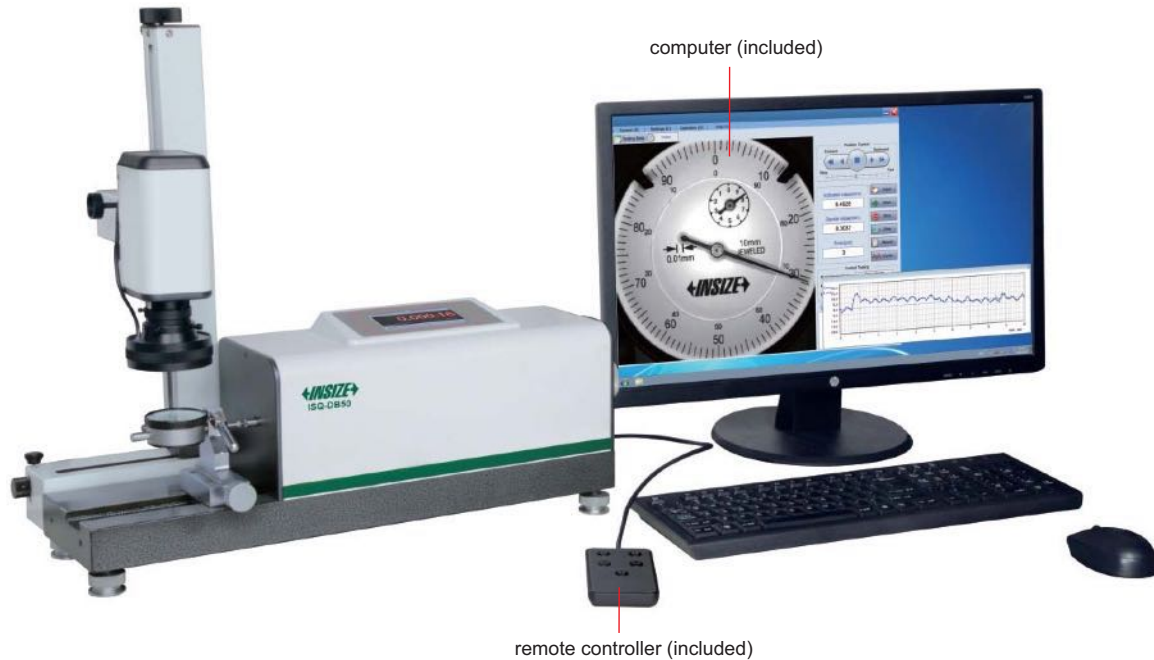




AUTOMATIC DIAL INDICATOR TESTER CODE ISQ-DB50



- Automatic measurement
- Semi-automatic measurement is possible, operate by hand and find graduation lines by eyes, for indicators with stains on dial faces
- Automatic zero setting
- Detection accuracy of graduation lines:
1/15 graduation for 0.001mm dial indicators or dial test indicators,
1/30 graduation for 0.01mm dial indicators or dial test indicators
- Suitable for dial indicators or dial test indicators with plain and convex crystals

SPECIFICATION

Applicable products	dial indicators, digital indicators, dial test indicators and bore gages
Standard	DIN878, DIN2270, ASME B89.1.10M, BS907, BS2795, JIS B7503, JIS B7533 and so on. customized standard: customers can set the range, interval, accuracy and hysteresis
Measuring range	0-50mm
Resolution	0.1µm
Repeatability	0.1µm
Speed	average 0.6s/point (adjustable) It takes 3 minutes to calibrate a 10mm dial indicator (100 points forward and 100 points backward)
Accuracy	any 1mm: 0.8µm any 2mm: 1.0µm any 10mm: 1.3µm any 30mm: 1.5µm 50mm: 2.0µm
Hysteresis	0.5µm
Output	RS232
Power supply	220V, 50Hz
Operation temperature	20±5°C
Operation humidity	(50~70)%RH
Dimension (L×W×H)	640×240×530mm
Weight	35kg

STANDARD DELIVERY

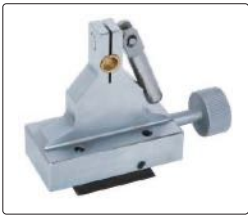
Main unit	1 pc
Holder for dial indicators and digital indicators (Ø8mm, 3/8")	1 pc
Holder for dial test indicators (Ø4mm, Ø6mm, Ø8mm)	3 pcs
Holder for bore gages (Ø4-28mm)	1 pc
Computer	1 pc
Remote controller	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Holder for split type bore gages	ISQ-DB501
Cable for INSIZE digital indicators	ISQ-DB502

To be continued

Continued from previous page



Ø8mm and 3/8" holder for dial indicators or digital indicators (included)



Ø4-28mm holder for bore gages (included)



holder for split type bore gages (optional)



Ø4mm, Ø6mm and Ø8mm holder for dial test indicators (included)



cable for INSIZE digital indicators (optional)

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check dial indicators



check dial test indicators



check bore gages



check digital indicators (detect digits on screen)



check INSIZE digital indicators (connection with cable)

report

Dial Indicator Calibration Data Sheet

Item	Model	Serial	Range	Resolution	Inspection Date	Inspected By
0-10mm	SI	01	0.01	0.01	2024-09-01	AP/100
0-25mm	SI	02	0.01	0.01	2024-09-01	AP/100
0-50mm	SI	03	0.01	0.01	2024-09-01	AP/100
0-75mm	SI	04	0.01	0.01	2024-09-01	AP/100
0-100mm	SI	05	0.01	0.01	2024-09-01	AP/100

Dial Indicator Calibration Certificate

Graph showing Error Curve (µm) vs. Distance (mm). The curve fluctuates around zero, indicating measurement stability.

table form

graph form

customized standard

Verification Setting

Work Range

Work Range 1: 0 - 3 mm Inspection Interval 1: 0.1 mm

Work Range 2: - - - mm Inspection Interval 2: - - - mm

Work Range 3: - - - mm Inspection Interval 3: - - - mm

Forward Distance from the last test point: 0.1 mm

Error item

- Any 0.1mm error Tolerance: 5 µm
- Any 1mm error Tolerance: 10 µm
- The measuring range Tolerance: 14 µm
- Hysteresis Error Tolerance: 3 µm
- Repeatability Tolerance: - µm
- / Tolerance: - µm

Repeatability

Position Number: 3

Testing times: 5

Testing position: 0.0 0.5 1.0 Range proportion

Movement distance: -10 Div

Additional test

Maximum Error Point Additional test range: ± 0.1 mm

Inspection Interval: 0.01 mm

OK Cancel

certificate form