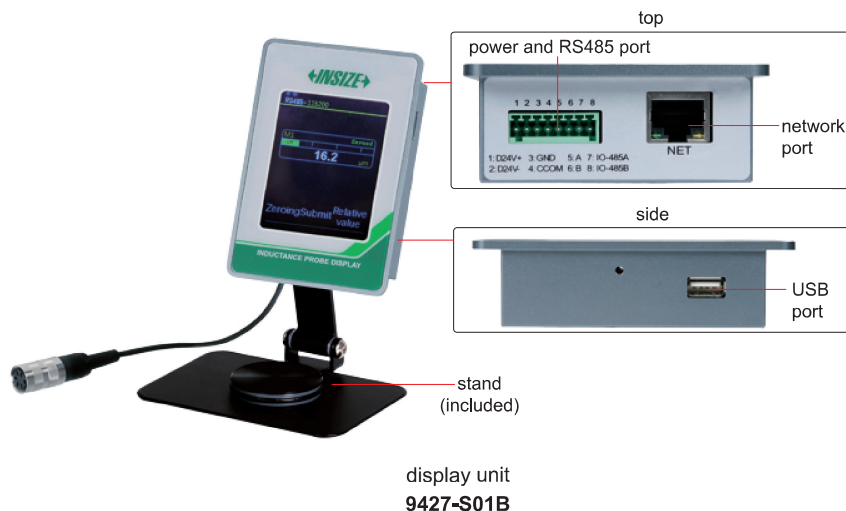


INDUCTANCE TYPE PROBE AND DISPLAY UNIT CODE 9442-SET1

UNIDIRECTION

FIXED LEVER
ANGLE



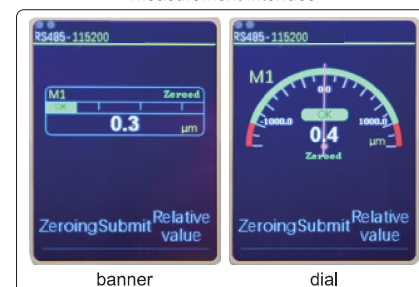
Inductance type probe:

- Lever-type, for highly accurate and repeatable displacement measurements of displacement, deformation, dimension, vibration, thickness, expansion, etc. in quality control and metrology applications

Display unit:

- Built-in high-performance AD chip, supporting multi-channel sensor display, computing, data storage, feedback output
- Up to 10 measurement programmes can be stored, with simultaneous setting of several workpiece parameters, configurable tolerances, linearity, measurement modes, etc.
- Measured values can be freely edited, stored automatically or manually, and transferred to external devices for PLC control or access to SPC analysis system

measurement interface



DISPLAY UNIT SPECIFICATION

Channel number	1 (can be customized up to 4 channels)
Display	3.5" touchable LCD screen
Display mode	banner display, dial display
Unit	µm, mm
Resolution (µm)	0.1, 1
Communication port *	RS485 (Modbus RTU)
Sampling time (ms)	2, 4, 8, 16, 32 (adjustable)
Operation environment	0~40°C, <80% (non-condensing)
Storage environment	-20~50°C, <80% (non-condensing)
Power supply	DC 24V
Dimension (L×W×H)	113×73×30mm
Net weight	252g

* Optional RS232 (Modbus RTU), network port (Modbus TCP and EtherNet/IP), WIFI (Modbus TCP and EtherNet/IP) or I/O

DISPLAY UNIT STANDARD DELIVERY

Main unit	1 pc
Power and RS485 cable	1 pc
Stand	1 pc

spindle runout measurement application

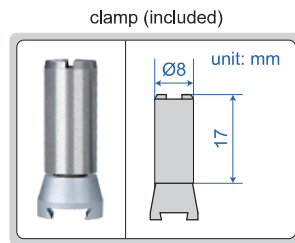


Range		±0.3mm
Probe	accuracy	±0.5%FS
	repeatability	0.15µm
Overall *	accuracy	±2µm
	repeatability	0.3µm
Mechanical stroke		≥0.8mm
Sensor type		LVDT (half bridge)
Measuring force		0.12~0.25N
Operating environment	work	0~40°C, ≤80% (non-condensing)
	storage	-20~60°C, ≤80% (non-condensing)
Cable length		2m (customised from 2~5m)
Output interface		5-wire aviation interface
Net weight		50g

* Work with **9427-S01B** need to be set in the factory

INDUCTANCE TYPE PROBE STANDARD DELIVERY

Main unit	1 pc
Ø8mm clamp	1 pc



unit: mm

