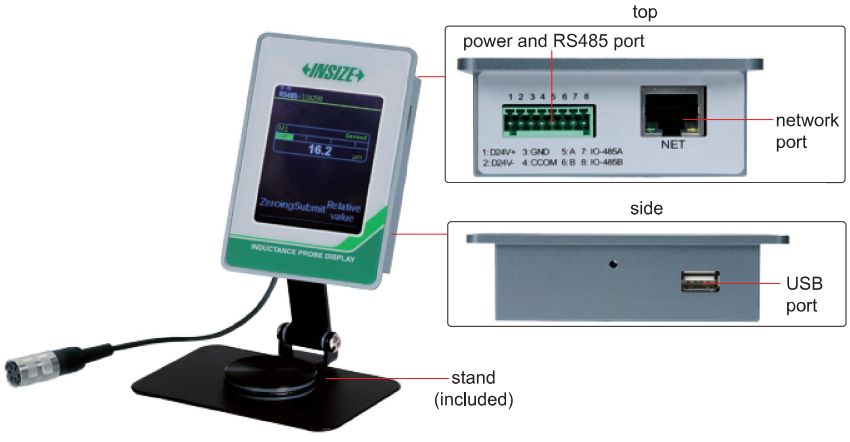
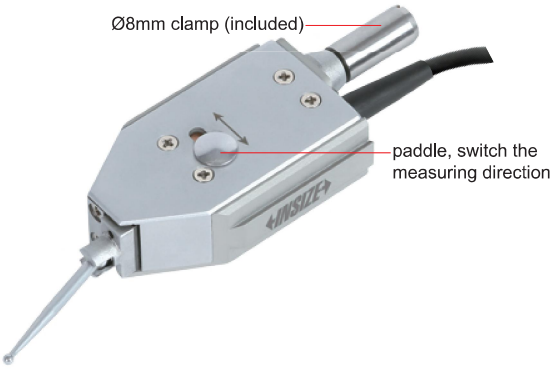
INDUCTANCE TYPE PROBE AND DISPLAY UNIT
CODE 9442-SET1

UNIDIRECTION

FIXED LEVER ANGLE



display unit
9427-S01B



inductance type probe
9442-G03

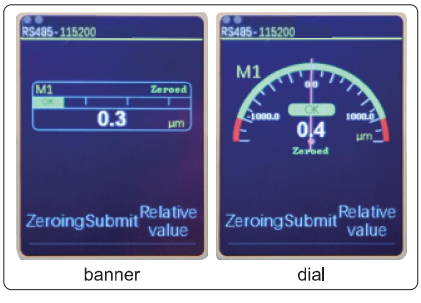
Inductance type probe:

- 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



banner dial

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

spindle runout measurement application



universal magnetic stand **(optional)**

DISPLAY UNIT STANDARD DELIVERY

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

INDUCTANCE TYPE PROBE SPECIFICATION

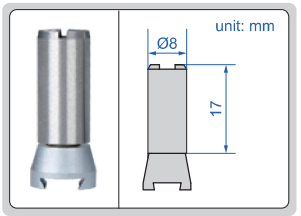
Range		±0.3mm
Probe	accuracy	±0.5%FS
	repeatability	0.15μm
Overall *	accuracy	±2μm
	repeatability	0.3μm
Mechanical stroke		≥0.8mm
Sensor type		LVDT (half bridge)
Measuring force		0.12~0.25N
Operating environment	work	0~40ºC, ≤80% (non-condensing)
	storage	-20~60ºC, ≤80% (non-condensing)
Cable length		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

clamp (included)



unit: mm

