



SINOCERA



Global Sensor Technology

4 mm Displacement Transducer with Pre-amplifier

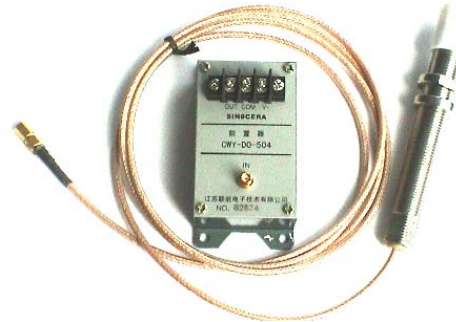
Model CWY-DO-504

FEATURES

- Easy mounting
- Wide frequency range
- High reliability
- Small size
- Non-contact measurement

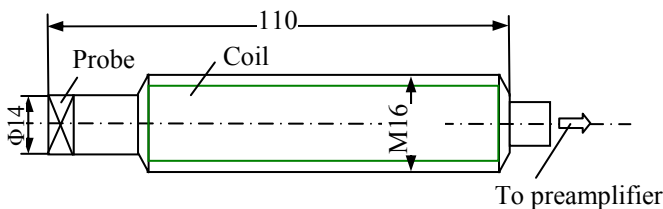
SUPPLIED WITH

- Eddy current probe
- Extension cable(2M)
- Pre amplifier
- Protective cap
- Two M16×1.5 screw nuts



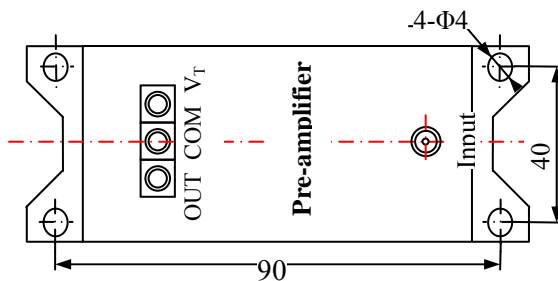
PERFORMANCE

Measurement range	4mm
Sensitivity	
Unchangeable	$4 \pm 10\% \text{mV} / \mu\text{m}$
Changeable	$4 \pm 15\% \text{mV} / \mu\text{m}$
Resolution	$1 \mu\text{m}$
Linearity	
Unchangeable	$\leq 2\%$
Changeable	$\leq 5\%$
Frequency response	see graph below
Frequency Range	0 - 5000Hz
Temperature Range	
Probe	$-30 \text{ to } +120^\circ\text{C}$
Amplifier	$-30 \text{ to } +65^\circ\text{C}$
Temperature drifts	$0.1\% / ^\circ\text{C FS}$
Mounting clearance	0.1 to 0.5mm



ENVIRONMENTAL CHARACTERISTICS

Object material	steel
Environmental temperature	$20 \pm 5^\circ\text{C}$
Humidity	$\leq 80\%$



V_T : 24VDC supply voltage
 COM: ground
 OUT: output

ELECTRICAL CHARACTERISTICS

Supply voltage	-24V (DC)
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PHYSICAL CHARACTERISTICS

Probe diameter	$\Phi 14$
Probe length	110mm
Mounting thread	M16×1.5
Cable length	2M