



SINOCERA



Global Sensor Technology

25 mm Displacement Transducer with Pre-amplifier

Model CWY-DO-525

FEATURES

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

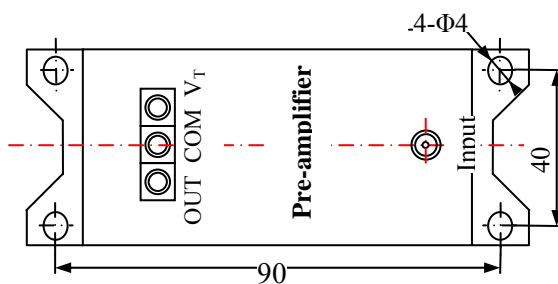
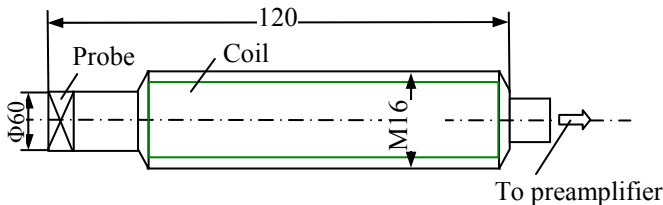


SUPPLIED WITH

- Eddy current probe
- Extension cable(2M)
- Pre amplifier
- Protective cap
- Two M20×2 screw nuts

PERFORMANCE

Measurement range	25mm	
Sensitivity	Unchangeable	$0.4 \pm 10\% \text{mV}/\mu\text{m}$
	Changeable	$0.4 \pm 15\% \text{mV}/\mu\text{m}$
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 to +120 °C
	Amplifier	-30 to +65 °C
Temperature drifts	$0.1\% / ^\circ\text{C FS}$	
Mounting clearance	0.8 to 2.0mm	



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

ENVIRONMENTAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Supply voltage	-24V (DC)
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PHYSICAL CHARACTERISTICS

Probe diameter	$\Phi 60$
Probe length	120mm
Mounting thread	M20×2
Cable length	2M