



SINOCERA



2 mm Displacement Transducer with Pre-amplifier

Model CWY-DO-502

FEATURES

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

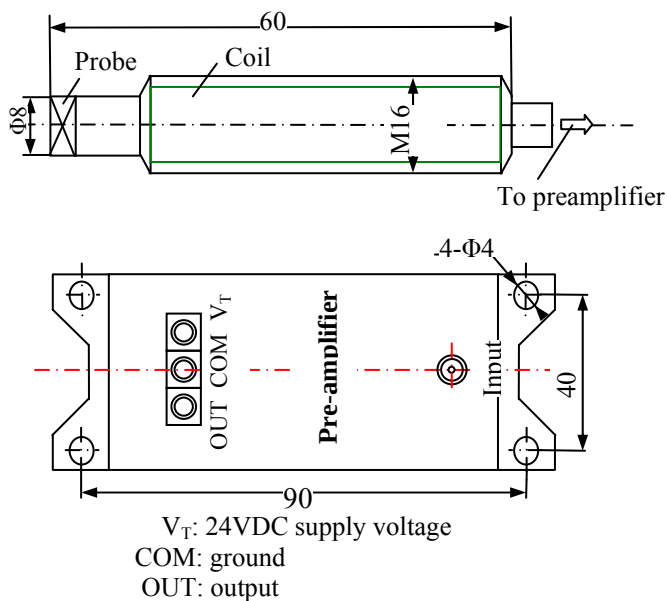


SUPPLIED WITH

- Eddy current probe
- Extension cable(2M)
- Pre amplifier
- Protective cap
- Two M10×1 screw nuts

PERFORMANCE

Measurement range	2mm
Sensitivity	
Unchangeable	$8 \pm 10\% \text{mV}/\mu\text{m}$
Changeable	$8 \pm 15\% \text{mV}/\mu\text{m}$
Resolution	$1\mu\text{m}$
Linearity	
Unchangeable	$\leq 2\%$
Changeable	$\leq 5\%$
Frequency response	see graph below
Frequency range	0 to 5000Hz
Temperature range	
Probe	-30 to +120°C
Amplifier	-30 to +65°C
Temperature drifts	0.1%/°C FS
Mounting clearance	0.1 to 0.5mm



ENVIRONMENTAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Supply voltage	-24V (DC)
----------------	-----------

PHYSICAL CHARACTERISTICS

Probe diameter	$\Phi 8$
Probe length	60mm
Mounting thread	M6×1
Cable length	2M