



1 mm Displacement Transducer

Model CWY-DO-501A

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	1mm
Sensitivity	
Unchangeable	10±10% $mV/\mu m$
Changeable	10±15% $mV/\mu m$
Resolution	1 μm
Linearity	
Unchangeable	≤2%
Changeable	≤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

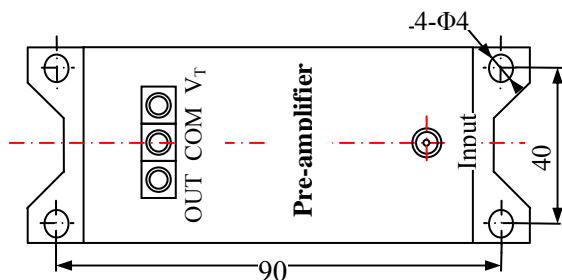
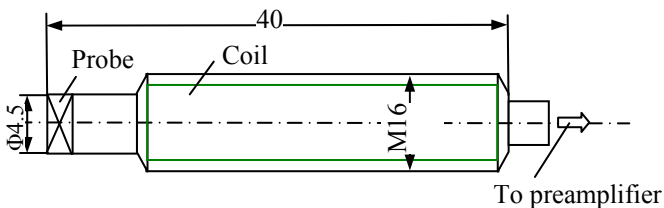
Object material	steel
Environmental temperature	20±5°C
Humidity	≤80%

ELECTRICAL CHARACTERISTICS

Supply voltage	-24V (DC)
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PHYSICAL CHARACTERISTICS

Probe diameter	Φ4.5
Probe length	40mm
Mounting thread	M6×1
Cable length	2M



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