



SINOCERA



Global Sensor Technology

## 10 mm Displacement Transducer with Pre-amplifier

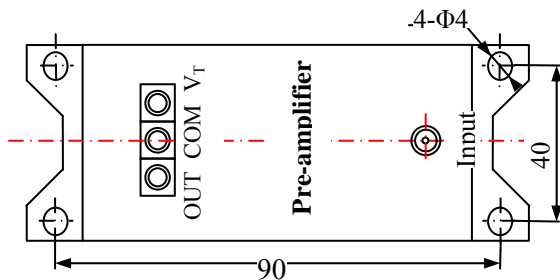
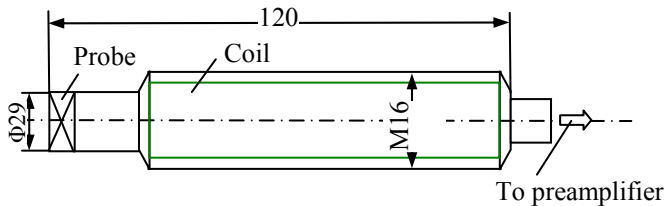
## Model CWY-DO-510

### 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 M12×1.25 screw nuts



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

### PERFORMANCE

Measurement Range	10mm
Sensitivity	
Unchangeable	0.8±10% $mV/\mu m$
Changeable	0.8±15% $mV/\mu m$
Resolution	1 $\mu m$
Linearity	
Unchangeable	≤2%
Changeable	≤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%/°C FS
Mounting Clearance	0.8 to 2.0mm

### 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	Φ29
Probe length	120mm
Mounting thread	M12×1.25
Cable length	2M