

# PE-30KF

## Engine Pressure Transducer

- 3 MPa
- Measurement of Engine Burning Pressure



TEDS function is available. Contact to us.

### For measuring exhaust or inlet pressure

- Maximum operating temperature 300°C (Water-cooled)

#### To Ensure Safe Usage

This product is water-cooled by applying a water pressure of approx. 69 kPa or a flow quantity of 1.5 l/min, at temperature up to 300°C for the attaching screw section. Please use under the condition of the waste water is 80°C or less.

Connect the included water supply pipe and the water supply outlet using a rubber or vinyl hose. Next, supply the unit with water through the included vinyl hose. Ensure care is taken so that the hose is not folded.

#### Specifications

##### Performance

Rated Capacity	3MPa
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	1 mV/V or more

##### Environmental Characteristics

Rated Capacity	The attaching screw section may be up to 300°C, and the waste water temperature up to 80°C, and the diaphragm may come into contact with high-temperature gas with no problems.
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##### Electrical Characteristics

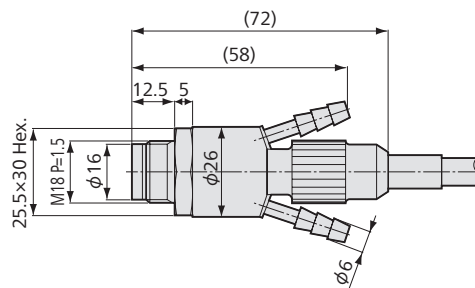
Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 $\Omega$ $\pm 2\%$
Output Resistance	350 $\Omega$ $\pm 2\%$
Cable	4-conductor (0.3 mm <sup>2</sup> ) chloroprene shielded cable, 30 cm long
Attached Cable	4-conductor (0.3 mm <sup>2</sup> ) chloroprene shielded cable, 7.6 diameter by 2.7 m long, terminated with connector plugs PRC03-12A10-7M at both ends. (NDIS connector plug to amplifier side) (Shield wire is connected to the case.)

##### Mechanical Properties

Safe Overloads	130% (Static), 100% (Dynamic)
Natural Frequencies	Approx. 21 kHz
Weight	Approx. 120 g (Excluding cable)
Mounting Screw	M18 P=1.5

Standard Accessories	Gasket (NGK NG-1801F) Vinyl hose (2 m) Water supply pipe
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#### Dimensions



Connector plug  
PRC03-12A10-7M

