PE-30KF

●3 MPa
●Measurement of engine burning pressure

Engine Pressure Transducer



*TEDS-installed models are available. Inguiries are welcome.

Specifications

Performance

Rated Capacity	3 MPa
Nonlinearity	Within ±1% RO
Hysteresis	Within ±1% RO
Repeatability	1% RO or less
Rated Output	1 mV/V or more

Environmental Characteristics

Safe Temperature	Attaching screw section: Max. 300°C
	Wastewater : Max. 80°C

Electrical Characteristics

Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 Ω ±2%
Output Resistance	350 Ω ±2%
Cable	4-conductor (0.3 mm²) chloroprene shielded cable,
	7.6 mm diameter by 30 cm long,
	terminated with a connector plug PRC03-12A10-7M
Attached Cable	4-conductor (0.3 mm²) chloroprene shielded cable,
	7.6 mm diameter by 2.7 m long
	Sensor side: PRC03-32A10-7F
	Measuring instrument side: PRC03-12A10-7M
	(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

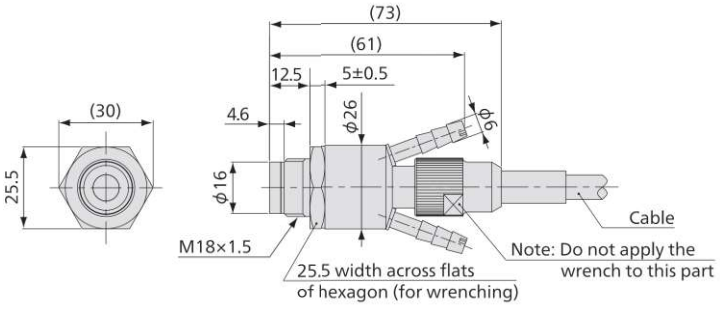
For measuring exhaust or inlet pressure

●Max. operating temperature: 300°C
(Water-cooled type)

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 wastewater 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.

Dimensions



Connector plug
PRC03-12A10-7M



●Dynamic measurement

PE-F Recommended products for combination


Universal Recorder EDX-200A
→3-57


Universal Recorder EDX-100A
→3-65


Memory Recorder/Analyzer EDX-5000A
→3-69