

SPECIFICATIONS

Pressure transducer
for the usage with high temperature media

Pressure Transducer
PRJ-1MP ~ 10MP

SPEC.No.EN221032-A

1/2

Performance

Rated capacity : 1 MPa ~ 10 MPa
 Safe overload : 150 %R.C.
 Ultimate overload : 300 %R.C.
 Rated output : 1.5 mV/V | 0.015 mV/V (PRB-1MP: 1 mV/V | 0.01 mV/V)
 Rated output : PRJ-1MP : 1 mV/V | 0.2 mV/V
 PRJ-2MP : 1.5 mV/V | 0.3 mV/V
 PRJ-5MP ~ 10MP : 1.5 mV/V | 0.15 mV/V

Non-linearity : 0.3 %R.O.
 Hysteresis : 0.3 %R.O.
 Repeatability : 0.3 %R.O.

Electrical

Excitation, recommended : 6 V or less
 Excitation, at maximum : 10 V
 Zero balance : | 0.05 mV/V
 Input resistance : 373.6 ohm | 5 ohm
 Output resistance : 350 ohm | 5 ohm
 Insulation resistance : 1 000 Mohm or more (DC 50 V)
 (Between bridge and main body)

Temperature

Temperature range, compensated : - 40 to 150
 Temperature range, safe : - 40 to 165
 Temperature effect on zero balance : 0.25 %R.O./10
 Temperature effect on output : 0.5 %LOAD/10

Cable : ϕ 5.6、4-cores shielded cable for high temperature usage
 1.5 m directly attached with NDI-7P-J (Jack) at the cable end
 P/N of connector : PRC03-32A10-7F10.5

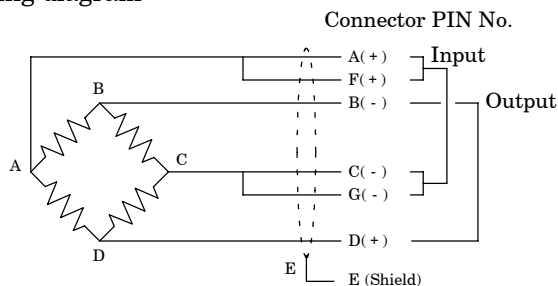
Class of protection : IP60 or equivalent (excluding connector)

Material of element : Stainless steel

疲Durability : 10^6 times with rated load applied.

Note) R.O. means Rated Output and also R.C. means Rated Capacity.

Wiring diagram



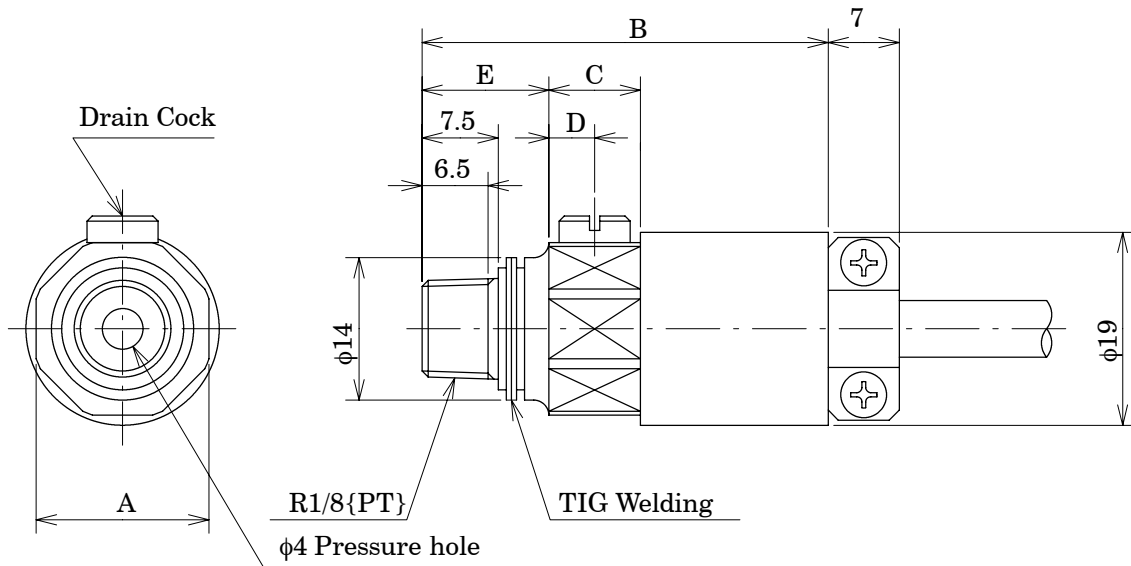
Composition	
Main body	1
Drain cock	2
Teflon packing(ϕ 7.2 x ϕ 5.5 x 1)	2
Connector cap	1
Inspection data sheet	1
Instruction manual	1

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Unit : mm

Tables of P/N

Unit : mm

P/N	Rated capacity	A	B	C	D	E	Natural Frequency (kHz)	Weight (Approx. g)
PRJ-1MP	1 MPa	17	40	9	4.5	12.5	22	45
PRJ-2MP	2 MPa						28	
PRJ-5MP	5 MPa						45	
PRJ-10MP	10 MPa	19	45	11	5.5	15.5	82	60

Specifications and outline dimensions and so on which have printed may subject to change for the purpose of improvement.