Series QTC

Voltage Output Pressure Transducer

QTC designed for all industry which is compact pressure transducer. Precise measurement is available with a semiconductor pressure cell. Inner amplification circuit applies to various control equipment.

Feature

- 1~5VDC output
- Measuring range 0~3.5MPa
- 0.5%FS accuracy
- Gauge and absolute measurement
- Piezoresistive silicon cell
- Stainless steel, Brass media-wetted materials

Applications

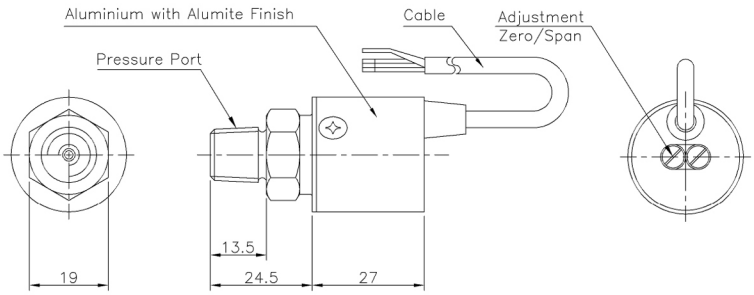
- Process control
- Hydraulics & Pneumatic
- Compressor Control
- Chillers
- Refrigeration Equipment

SPECIFICATIONS

Range	
	0 ~ 20, 30, 50, 100, 200, 300, 500, 700kPa / 2, 3.5MPa(Gauge)
	0 ~ 100, 200, 300, 500, 700kPa / 2, 3.5MPa (Absolute)
Performance	
Accuracy	±0.5%FS(RSS)
Thermal Effect on Zero	±0.5%FS/℃
Thermal Effect on Span	±0.5%FS/℃
Compensated Temperature Range	−10 ~ 70℃
Operating Temperature Range	−20 ~ 80℃
Electrical	
Excitation	11 ~ 28VDC
Output	1~5VDC
Electrical Connection	Cable
Physical	
Proof Pressure	300%FS Max.
Burst Pressure	400%FS Min.
Vibration	49.1m/s2{5G}, 10~500Hz
Shock	490m/s^2{50G}
Pressure port	R(PT)1/4"(Stock), G(PF)1/4"
Media−Wetted Materials	Brass(Ni Plated), Stainless Steel 316L, VITON
Weight	Approx. 100g

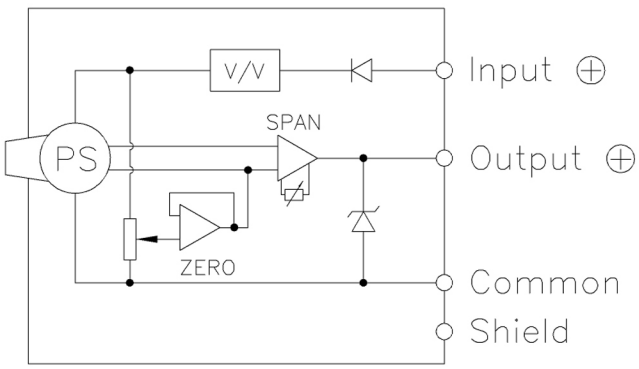
* Specifications are subject to change without notice

Dimension



Wire Color	Connections
Red	Input ⊕
White	Common⊖
Green	Output ⊕
Shield	Earth

Internal Circuit Diagram



Ordering Information

QTC E 0020 R C C G

Model Name

Output
E : 3Wire 1~5V

Pressure Range
XXXX : Pressure

Pressure Unit
R : kPa
M : MPa
B : bar
K : kgf/㎠
P : psi
H : mmHg
C : cmH_2O

Pressure port
C : R(PT)1/4"
D : G(PF)1/4"

Connecting Methods
C : Cable

Type of Pressure Measurement
G : Gauge
J : Absolute

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