Series QTL

General Purpose Pressure Transducer

QTL 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

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

Applications

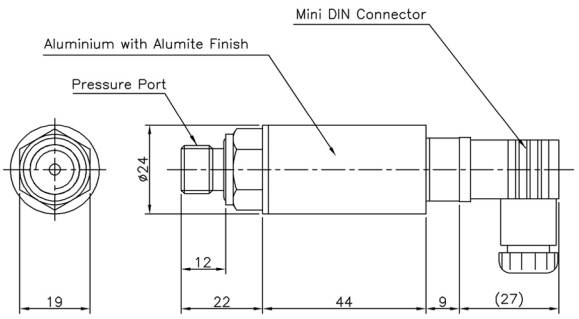
- Process control
- Hydraulics & Pneumatic
- Compressor Control
- Chillers
- Refrigeration Equipment

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, 4~20mA(2Wire)
Electrical Connection	Mini Din Connector
Physical	
Proof Pressure	300%FS Max.
Burst Pressure	400%FS Min.
Vibration	49.1m/s^2{5G}, 10~500Hz
Shock	490m/s^2{50G}
Pressure port	R(PT)1/4", G(PF)1/4"(Stock)
Media−Wetted Materials	Stainless Steel 303(Optional 316L), VITON
Weight	Approx. 100g

* Specifications are subject to change without notice

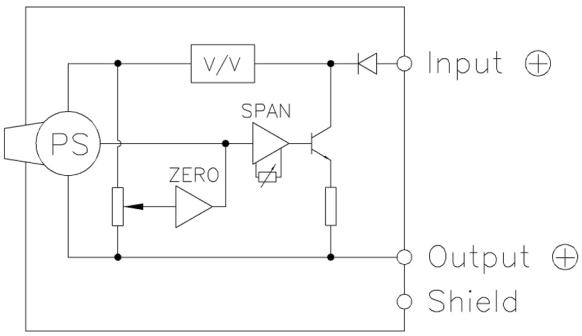
Dimension



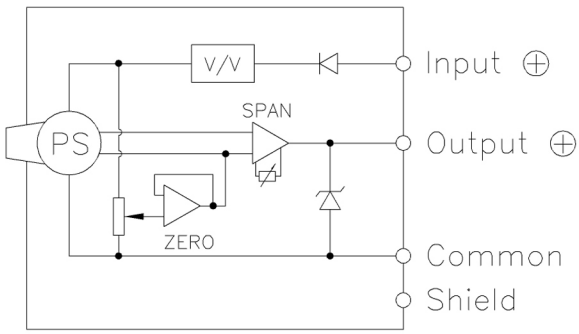
Pin No.	Connections	
	3Wire	2Wire
1	Input ⊕	Input ⊕
2	Common⊖	Output ⊕
3	Output ⊕	×
⏚	Earth	Earth

Internal Circuit Diagram

▶ 2Wire mA Output Type



▶ 3Wire VDC Output Type



Ordering Information

QUD E 0020 R C M G

Model Name

Output
- E : 3Wire 1~5V
- H : 2Wire 4~20mA

Pressure Range
- XXXX : Pressure

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

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

Connecting Methods
- M : Mini DIN Connector

Type of Pressure Measurement
- G : Gauge
- J : Absolute

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