

Pressure Sensor, compact, 1.6 MPa, 4-20mA, G1/4, M12



## PT211A-202 Pressure Sensor

### Features

- Advanced Microfused Silicon Strain Gauge
- Efficient lightning protection
- Strong RFI&EMI protection
- Advanced digital temperature compensation
- Wide working temperature range
- High accuracy, high frequency response
- Compact design
- Cost effective

### Applications

- Industrial process control
- Automatic testing system
- Hydraulic and pneumatic systems
- Pump station and water treatment system
- Industrial machinery

### Description

The L-com PT211A-202 compact IoT pressure sensor is designed for hydraulic, pneumatic, water treatment, machinery, industrial process testing and control applications. This pressure transducer has an advanced micro-fused silicon strain gauge that measures a maximum pressure range of 1.6 Mpa. Our sensor comes with a IP65 stainless steel housing which eliminates the potential for leaks.

### General Specifications

|                       |                 |
|-----------------------|-----------------|
| Application:          | Pressure Sensor |
| Pressure Type:        | Gauge           |
| Electrical Connector: | M12 connector   |
| Process Connector:    | G1/4            |
| Output Signal:        | 4-20 mA         |

| Description            | Minimum | Typical | Maximum | Unit         |
|------------------------|---------|---------|---------|--------------|
| Pressure Range         | 0       |         | 1.6     | Mpa          |
| Accuracy               |         | ±0.5    |         | % Full Scale |
| Compensated Temp Range | -10     |         | 70      | deg C        |
| Overpressure           |         | 300     |         | % Full Scale |
| Destruction Pressure   |         | 500     |         | % Full Scale |
| Long Term Stability    |         | 0.2     |         | % Full Scale |
| Temperature Range      | -40     |         | 85      | deg C        |

### Electrical Specifications

| Description                   | Minimum | Typical | Maximum | Unit |
|-------------------------------|---------|---------|---------|------|
| Power Supply/Excitation Level | 9       | 24      | 30      | VDC  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
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## PT211A-202 Pressure Sensor

### Material Specifications

| Description | Material    |
|-------------|-------------|
| Housing     | SS (17-4PH) |

### Mechanical Specifications

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

### Environmental Specifications

|                         |                      |
|-------------------------|----------------------|
| Temperature (Operating) | -40deg C to 85deg C  |
| Temperature (Storage)   | -40deg C to 125deg C |
| Shock                   | 100 g                |
| Ingress Protection      | IP65                 |

The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

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