

Pressure Sensor, 16 MPa, 4-20mA, NPT1/4, M12



PT211-120 Pressure Sensor

Features

- Advanced Micro-fused Silicon Strain Gauge
- Efficient lightning protection
- Strong RFI&EMI protection
- Advanced digital temperature compensation
- Wide working temperature range
- High accuracy, high frequency response, and good long-term stability

Applications

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

Description

The L-com PT211-120 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 16 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:	NPT1/4
Output Signal:	4-20 mA

Description	Minimum	Typical	Maximum	Unit
Pressure Range	0		16	Mpa
Accuracy		±0.5		% Full Scale
Compensated Temp Range	-20		85	deg C
Overpressure		300		% Full Scale
Destruction Pressure		500		% Full Scale
Long Term Stability		0.1		% 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:
[Pressure Sensor, 16 MPa, 4-20mA, NPT1/4, M12 PT211-120](#)

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Material Specifications

Description	Material
Housing	SS (17-4PH)

Mechanical Specifications

RoHS Compliant	Yes
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Environmental Specifications

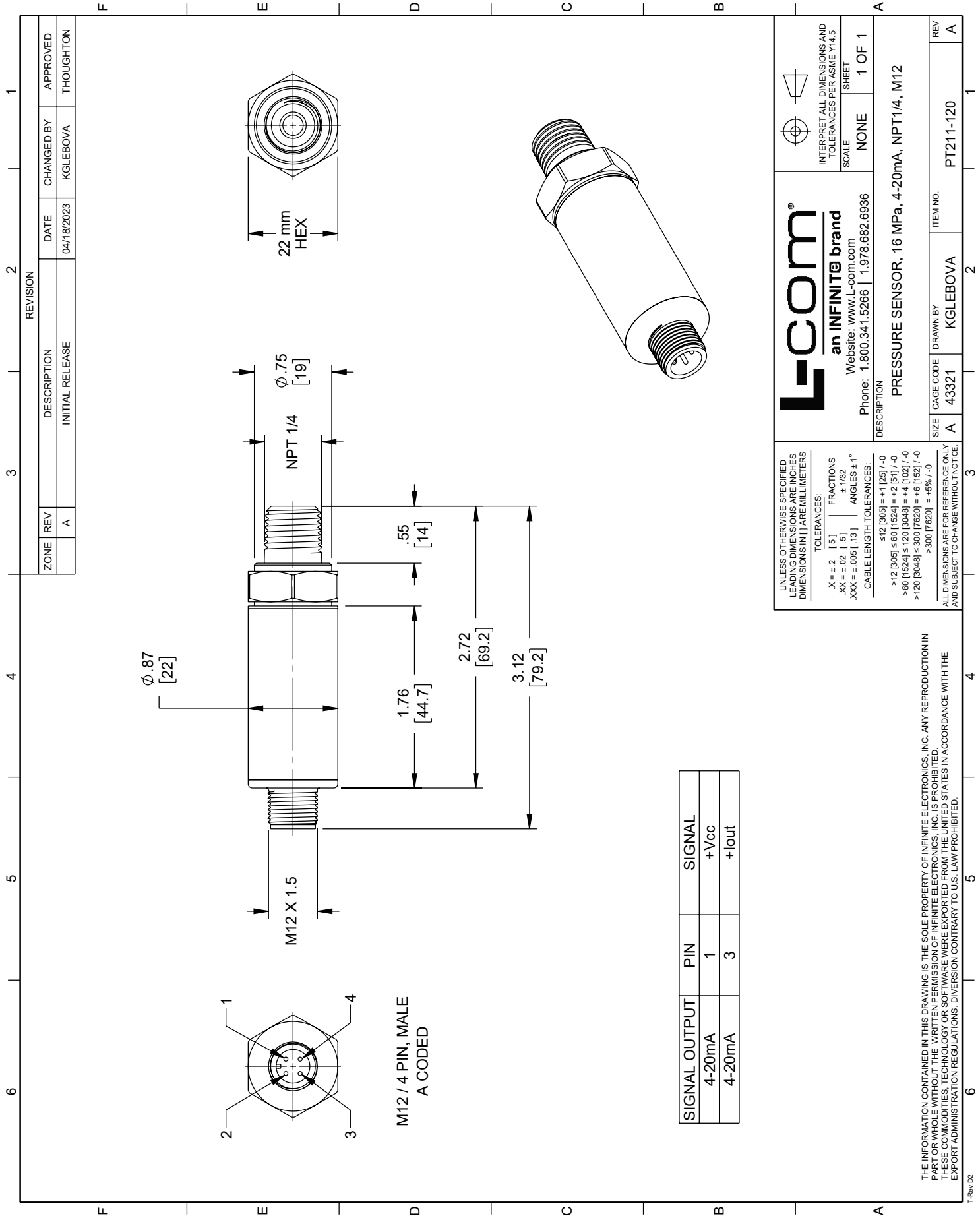
Temperature (Operating)	-40deg C to 85deg C
Temperature (Storage)	-40deg C to 125deg C
Shock	100 g
Ingress Protection	IP65

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.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

PT211-120 CAD Drawing

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SIGNAL OUTPUT	PIN	SIGNAL
4-20mA	1	+Vcc
4-20mA	3	+Iout

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5] | FRACTIONS
XX = ±.02 [.5] | ± 1/32
XXX = ±.005 [.13] | ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = ±1 [25] / -0
>12 [305] ≤ 60 [1524] = ±2 [51] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±6 [152] / -0
>300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.

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INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5
SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: PRESSURE SENSOR, 16 MPa, 4-20mA, NPT1/4, M12

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	KGLEBOVA	PT211-120	A