Ralston Instruments

www.ralstoninst.com

Part No.

LC30-GP2M-00-00

LC30 panel mount pressure gauge, 1000 psi / 7 MPa, 1/4" Male NPT back connection

The LC30 is a robust device that measures and displays pressure readings on a large, backlighted screen. It is AC powered with a battery backup. The LC30 has the ability to show High and Low pressure values on-screen, change between 15 different engineering units or add custom engineering units. The included PC FieldLab Desktop software can be used for calibration, testing and logging pressure.

LC30-GP2M-00-00

Specs/Attributes

Backup Power	AAA Alkaline (IEC-LR03)
Battery Count	2
Battery Life	1000 Hours
Calibration Certificate	ISO 17025:2017 Accredited
Certifications	Certified to CSA Standard C22.2 No. 61010-1, Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU
Country of origin	USA
Datalogging	PC based (via USB)
Electrical Rating	50 mA @ 5 VDC
Harmonized Code	9026.20.0000
Ingress Protection	IP67 (1 meter water submersion for 30 minutes)
LCD Display	2.4 in / 61 mm segmented LCD Display
Materials	ABS / Polycarbonate Blend, Powder Coated Aluminum
Max Operating Temperature	120 °F / 50 °C
Media Compatibility	Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	-4 °F / -20 °C
Operating Altitude (max)	10,000 ft (3050 m)
Panel Mount	Yes
Power Input	90-264 VAC, 50-60 Hz
Primary Power	AC Mains Power
Process Connection	1/4" Male NPT (ASME B1.20.1)

Specs/Attributes

Process Connection Location	Back mount
Protection Class	Pollution Degree 2 (UL / IEC 61010-1)
Relative Humidity	0% to 90% (-10 to 35˚C) , 0% to 70% (35 to 50˚C)
Temperature Compensation	None
USB Connection	USB (Micro B)
W1 Radio Installed	No
Wetted Materials	316 Stainless Steel
Weight	12.6 oz / 355 grams
Dimensions	H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm)

Sensor A (Back)

Sensor Type	Pressure Sensor
Wrench Size	7/8 In 23 mm
Max Storage Temperature	165 ˚F / 75 ˚C
Min Storage Temperature	-40 ˚F / -40 ˚C
Measurement Type	Gauge Pressure
Max Pressure	1000 PSI / 70 bar / 7.00 MPa
Wetted Materials	316 Stainless Steel
Country of origin	USA
Burst Pressure	4000 PSI / 275 bar / 28 MPa
Media Compatibility	Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Inert Gas, Light motor oil, Mineral Oil, Natural Gas, Petroleum Based Oil, Ralston Calibration Oil, Skydrol, Transmission fluid, Water, Windshield washer fluid, Oxygen (If Oxygen cleaned)
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
Engineering Units	atm, bar, cmH2O @4˚C, inH2O @39˚C, kPa, MPa, mbar, psi, inHg @39˚F, kgf / cm^2, mmHg @0˚C, Torr, mmH2O @4˚C, ftH2O @39˚F, cmHg @ 0˚C, oz / in^2
Max Operating Temperature	120 ˚F / 50 ˚C
Min Operating Temperature	-4 ˚F / -20 ˚C
Process Connection	1/4" Male NPT
Max Vacuum	0.00 InHg / 0.0 kPa