

Digital precision gauges LEX 1 Series



- Maximum accuracy up to 0,01% FS
- Measuring range : -1...+1000 bar
- Ø 76 mm
- 5 digits
- Mini / Maxi display
- External power supply or battery
- ATEX version in option

APPLICATIONS

LEX 1 digital pressure gauges are mainly intended for on-the-fly measurements and verification or calibration tests. Widely used by industrial laboratories and calibration services.

DESCRIPTION

The pressure is measured and displayed 2 times per second. The upper display shows the current pressure and the lower display shows the MAX or MIN pressure since the last RESET.

The ZERO function allows you to set either a new zero at the applied pressure, or atmospheric pressure if chosen as a reference.

TECHNICAL DETAILS

Measuring range	-1 to 1000 bar
Accuracy	± 0,05% FS at 20 °C ± 0,05% FS 0 °C to 50 °C
Display	5 digits, current pressure "min/max" pressure
Units	Bar, mbar, hPa, kPa, Mpa, PSI, mH2O, cmH2O, inH2O, mmHg, inHg, kp/cm ²
Pressure sensor	Piezoresistive
Display interval	2 times/sec
Temperature	Operating : -40...+85 °C Ambient : -10...+60 °C Storage : -20...+70 °C
Power supply	3V (included) CR 2430, approx. 2000 hours 8...28 Vcc External
Case	Reinforced plastic
Connection	G 1/4" AISI 316L, FKM
Protection	IP 65
Dial	Ø 76 mm
Weight	300 g
Package	Ship with case

EC Conformity : The instrument meets the legal requirements of the current European Directives



Plastic case



Ship with case



Pression - Température

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REFERENCES

Measuring range	Overload limit	Resolution	LEX 1 Accuracy 0,05 %	Calibration certificate 6 pts
-1 1 bar	8 bar	0,1 mbar	879 403	449 022
-1 3 bar	8 bar	0,1 mbar	879 407	449 022
-1 6 bar	20 bar	1 mbar	879 409	449 022
-1 10 bar	20 bar	1 mbar	879 446	449 022
-1 30 bar	90 bar	1 mbar	879 416	449 022
-1 60 bar	300 bar	1 mbar	879 450	449 022
-1 100 bar	300 bar	10 mbar	879 460	449 022
-1 160 bar	600 bar	10 mbar	879 470	449 022
0 300 bar	600 bar	10 mbar	879 466	449 006
0 400 bar	800 bar	20 mbar	879 467	449 006
0 700 bar	1100 bar	50 mbar	879 471	449 023
0 1000 bar	1100 bar	100 mbar	879 472	449 023

OPTIONS

- Calibration certificate by accredited laboratory :
0 to 700 bar : **ref. 449 038**
-1 to 30 bar : **ref. 449 039**
- Accuracy 0,025% : Add P at the end of the reference (temperature to 20...25°C)
- Accuracy 0,01% : Add PP at the end of the reference (temperature to 20...25°C)
- ATEX ExII1G EExiaIICT5 Version : Add A at the end of the reference
- Rubber protective cover : ref. 879 300
- Hoses, fittings : See doc. couplings and accessories

Note :

An annual calibration certificate is recommended

The pressure gauge should be protected from possible pressure shocks and excess pressure beyond limits.

DIMENSIONS [mm]

LEX1

