

Battery Operated Digital Pressure Gauge



measuring
•
monitoring
•
analyzing

PDC



- Measuring Range: 0...29 to 0...10150 PSI
- Accuracy: $\pm 0.5\%$ of Full Scale
- Max. Temperature: 212 °F
- Connection: 1/4" NPT, G 1/4
- Display: LCD with Bar Graph and Drag Indicator Function
- Tare Function
- Password Protection
- MIN / MAX Memory



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Description

The KOBOLD PDC digital pressure gauge is suitable for many pressure measurement applications, such as mechanical engineering, plant construction, and hydraulics and pneumatics, where a power source is not readily available. The measuring range span options are from 29 PSI to 10,150 PSI. The housing and wetted parts are made of all stainless steel for ranges above 725 PSI and are resistant to chemically aggressive substances. The bar graph display, with an integrated drag indicator, shows the trend of the current pressure. The model PDC-2 includes an additional 4 1/2 digit display for direct display of MIN/MAX memory, tare, and other parameters independent of the main display. The back-lit lighting of the PDC-2 version provides optimal illumination and display, even in poor lighting conditions. The programmable functions are set using the front keys and include user selectable PSI, bar or MPa display. The digital pressure gauge meets the requirements of electromagnetic compatibility according to EN 61326.



Specifications

Display:	7-segment LCD, Bar Graph Display	Temperature Ranges	
PDC-1:	9999 Digits, 11 mm High	Storage:	4...158 °F
PDC-2:	2 x 19,999 Digits, 11/7 mm High, Back-lit	Media:	-22...185 °F (< 1450 PSI) -22...212 °F (> 1450 PSI)
Accuracy:	± 0.5% of Full Scale ± 1 Digit	Ambient:	14...140 °F
Stability By Year:	≤ ± 0.2% of Full Scale	Relative Humidity:	< 90%, Non-condensing
	Within Reference Conditions	Overload Limit:	2x, Max 14500 bar for Ranges C6 (8700 PSI) and CA (10150 PSI)
Temp. Comp Range:	32...140 °F	Housing:	Stainless Steel, Optional Black Protective Cap
Temp. Effect		Wetted Parts	
Zero Point:	≤ ± 0.15% / 10 K	≤ 725 PSI:	Stainless Steel, AL ₂ O ₃ , NBR (Ceramic Measuring Cell)
Full Measuring Scale:	≤ ± 0.15 % / 10 K	≥ 1450 PSI:	All Stainless Steel (SS Thin-Film Measuring Cell)
Conversion Rate:	5 s ⁻¹	Pressure Connection:	1/4" NPT, G 1/4 B, Stainless Steel (PDC-2: Rotates up to 300°)
Memory:	MIN/MAX (Non-volatile, Even During Battery Changes)	Power Supply:	2 x 1.5 V Mignon Cell AA
Programmable Parameters		Runtime:	4000 h (AA 2000 mAh)
Measuring Units:	PSI, bar, MPa (User Selectable)	Protection Class:	IP 65
Tare (PDC-2 Only):	≤ ± 20% of Full Scale, Settable	Weight:	Approx. 1.1 lb
Automatic Switch Off Time			
PDC-1:	None		
PDC-2:	Settable		

Order Details (Example: PDC-102N2 BL A)

Display	Auto-Off	Tare Function	Connection		Measuring Range	Options
			1/4" NPT	G 1/4		
1-Line	Fixed	No	PDC-102N2..	PDC-102R2..	..BF.. = 0...29 PSI (0...2 bar) ..BH.. = 0...72.5 PSI (0...5 bar) ..B7.. = 0...145 PSI (0...10 bar) ..BL.. = 0...290 PSI (0...20 bar) ..BN.. = 0...725 PSI (0...50 bar)	..A = Standard ..D = Valve ..G = Protective Cap Housing
2-Line Back-lit	Adjustable	Yes	PDC-202N2..	PDC-202R2..	..C2.. = 0...1450 PSI (0...100 bar) ..C3.. = 0...2320 PSI (0...160 bar) ..C4.. = 0...3625 PSI (0...250 bar) ..C5.. = 0...5800 PSI (0...400 bar) ..C6.. = 0...8700 PSI (0...600 bar) ..CA.. = 0...10150 PSI (0...700 bar)	

Dimensions (mm)

