



BAROLI 05P

Battery Powered Digital Pressure Gauge

Stainless Steel Diaphragm Flush Welded

Nominal pressure

from 0 ... 60 bar up to 0 ... 400 bar

Product characteristics

- rotatable housing
- 2-line LC display 4.5-digit 7-segment display 6-digit 14-segment additional display
- for viscous and pasty media

Functions

- min / max function with reset function
- offset and end point calibration
- setting the pressure unit
- switch-off automatic configuration

The battery-powered digital pressure gauge BAROLI 05P with flush welded stainless steel diaphragm enables a local displaying of values in applications, where high requirements on hygienic process connections and easy cleaning or sterilisability are requested. The filling medium is food compatible oil with FDA approval.

The BAROLI 05P display housing is rotatable, thus ensuring an easy reading even under unfavourable mounting conditions. Additional functions as changing unit, displaying min / max values, calibrating of offset and span, as well as configuring the automatic switching-off complete the profile.

Preferred areas of use are



Plant and Machine Engineering



Food Industry











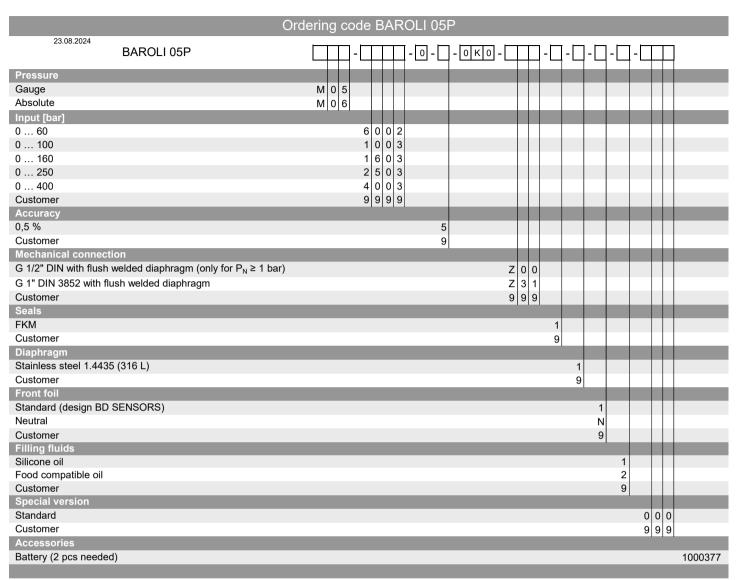


Digital Pressure Gauge

Input pressure range Nominal pressure					
ALTERNATION CHESSINE					
gauge / abs. [bar] 60	100	160	250	400
Overpressure [bar]	100	200	400	400	600
Burst pressure ≥ [bar]		250	500	500	650
Performance	.20				
	Z + 0 5 0/ -m-m				
Accuracy ¹	≤ ± 0.5 % span				
Measuring rate	5/sec				
accuracy according to EN IEC 628		teresis, repeatability)			
Thermal effects (Offset and S	pan)				
Tolerance band [% span]] ≤ ± 0.2 % span / 1	0 K			
In compensated range [°C]] 0 70				
Permissible temperatures ²	medium: -40 125 °C for filling fluid silicon oil -10 125 °C for filling fluid food compatible oil				
	environment: -20 70 °C storage: -30 80 °C				
2	storage:				
² max temperature of the medium fo	r nominal pressure gaug	e > 0 bar: 150 °C for 6	60 minutes with a max. en	vironmental temperatur	e of 50 °C
Mechanical stability					
Vibration	5 g RMS (25 200		rding to IEC 60068-2-6		
Shock	100 g / 1 msec according to IEC 60068-2-27				
Materials / Filling fluids					
Housing	stainless steel 1.44	104 (316L)			
Pressure port	stainless steel 1.44	<u> </u>			
Display housing	PA 6.6, Polycarbor				
Seals (media wetted)	FKM				
Diaphragm	stainless steel 1.44	l35 (316L)			
Media wetted parts	pressure port, seal				
Filling fluids	standard: silicon o				
ining naide	option: food co (Mobil S	mpatible oil with 21	CFR178.3570 certifica egory Code: H1; NSF F		500)
Miscellaneous	55.5				
Display	I C-Dienlay visible	range 40 v 30 mm	; 4.5-digit 7-segment n	nain display, digit hei	aht 11 mm range
	indication ±19999;	6-digit 14-segment	additional display, dig		giit 11 iiiiii, iaiige
Electromagnetic compatibility	emission and immunity according to EN 61326 3.6 V lithium battery; 2 piece (1/2 AA)				
Supply					
Data storage	EEPROM (non-vola	atile)			
Ingress protection	IP 65 any (standard calibrating in a vertical position with the pressure connection down)				
Installation position				ure connection down)
Weight	min. 350 g (depending on pressure port)				
AD-converter solution	14 Bit				
Operational life of battery	Standby-Modus: ap				
Mechanical operational life	100 million load cyc	cles			
Mechanical operational life					
CE-conformity	EMC directive: 201		pressure equipme	ent directive: 2014/68	3/EU (Module A)
•		4/30/EU		ent directive: 2014/68	3/EU (Module A) 3
CE-conformity		4/30/EU		ent directive: 2014/68	B/EU (Module A) ³

Tel.:





On request...in accordance with the producer

Surcharges for calibration are not subject to any discounts. Subject to change.

This document contains the specification for ordering the product; detailed technical parameters of the product and its possible variants are given in the DS BD SENSORS reserves the right to change sensor specifications without further notice.



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