



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











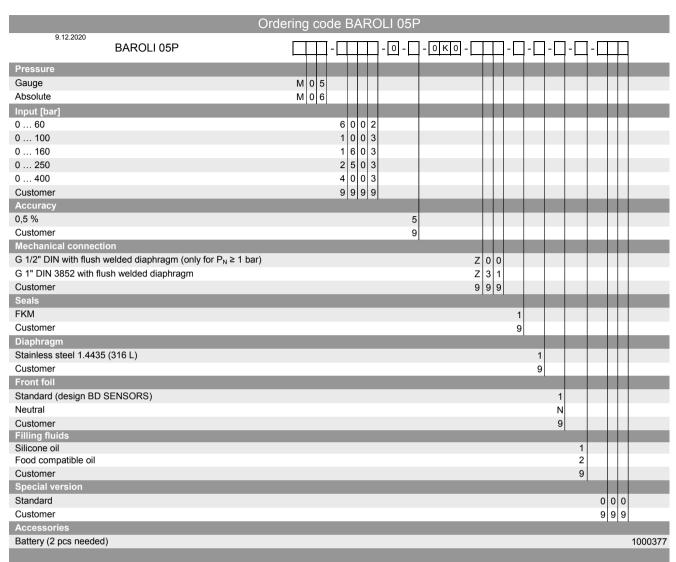


Digital Pressure Gauge

| Input pressure range | | | | | |
|--|--|---|---|--|--------------------|
| Nominal pressure | | | | | |
| gauge / abs. [bar] | 60 | 100 | 160 | 250 | 400 |
| Overpressure [bar] | 100 | 200 | 400 | 400 | 600 |
| Burst pressure ≥ [bar] | 120 | 250 | 500 | 500 | 650 |
| Performance | | | | | |
| Accuracy ¹ | ≤ ± 0.5 % span | | | | |
| Measuring rate | 5/sec | | | | |
| ¹ accuracy according to EN IEC 62828 | B-2– (non-linearity, hyster | resis, repeatability) | | | |
| Thermal effects (Offset and Spa | an) | | | | |
| | ≤ ± 0.2 % span / 10 | K | | | |
| | 0 70 | | | | |
| Permissible temperatures ² | medium: | | °C for filling fluid silic °C for filling fluid food | | |
| | environment: | -20 70 ° | | a compatible of | |
| | storage: | -30 80 ° | | | |
| ² max temperature of the medium for | | | | nvironmental temperati | ure of 50 °C |
| Mechanical stability | romma process e gauge | 0 201. 100 0 10. 0 | | ······································ | |
| Vibration | 5 a RMS (25 2000 |) Hz) 3000 | rding to IEC 60068 2 | -6 | |
| Shock | 5 g RMS (25 2000 Hz) according to IEC 60068-2-6 100 g / 1 msec according to IEC 60068-2-27 | | | | |
| | 100 g / 1 m3cc according to 120 00000-2-27 | | | | |
| Materials / Filling fluids | atainlana staal 4 440 | 4 (2461) | | | |
| Housing Draggura part | stainless steel 1.440 | | | | |
| Pressure port | stainless steel 1.4435 (316L) | | | | |
| Display housing Seals (media wetted) | PA 6.6, Polycarbonate FKM | | | | |
| Diaphragm | | 5 (2161) | | | |
| Media wetted parts | stainless steel 1.4435 (316L) pressure port, seals, diaphragm | | | | |
| Filling fluids | standard: silicon oil | ulaprilagiti | | | |
| Filling hulus | option: food com | patible oil with 21 H Cibus 32; Cate | CFR178.3570 certific gory Code: H1; NSF | | 1500) |
| Miscellaneous | 00.0 0. | | | | |
| Display | LC-Display, visible ra | ange 40 x 30 mm | 4.5-digit 7-segment | main display digit he | eight 11 mm range |
| 2.06103) | indication ±19999; 6 | | | | , g , |
| Electromagnetic compatibility | emission and immun | | | <u> </u> | |
| Supply | 3.6 V lithium battery; 2 piece (1/2 AA) | | | | |
| Data storage | EEPROM (non-volati | | | | |
| Ingress protection | IP 65 | | | | |
| Installation position | any (standard calibrating in a vertical position with the pressure connection down) | | | | |
| Weight | min. 350 g (depending on pressure port) | | | | |
| AD-converter solution | 14 Bit | | , | | |
| Operational life of battery | Standby-Modus: app | rox. 5 years | | | |
| Mechanical operational life | 100 million load cycles | | | | |
| CE-conformity | EMC directive: 2014/ | 30/EU | pressure equipm | nent directive: 2014/ | 68/EU (Module A) 3 |
| ³ This directive is only valid for device | s with maximum permiss | ible overpressure > 2 | | | , |
| Dimensions (in mm) | | | | | |
| standard | | | option | | |
| 120' | | 22.5 | 4 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1 | G1" | 26,5 SW 41 |

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 data sheet. BD SENSORS reserves the right to change sensor specifications without further notice.



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