

**Montageanleitung /  
Mounting instructions**

Digitalmanometer / Digital pressure gauge

BAROLI 02, BAROLI 02 P, BAROLI 05, BAROLI 05 P



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**VOR GEBRAUCH SORGFÄLTIG LESEN  
AUFBEWAHREN FÜR SPÄTERES NACHSCHLAGEN  
READ THOROUGHLY BEFORE USING THE DEVICE  
KEEP FOR FUTURE REFERENCE**

ID: MA\_BAROLI\_D-E | Version: 07.2021.0

Diese Montageanleitung stellt einen Auszug aus der ausführlichen Betriebsanleitung dar. Laden Sie sich diese auf unserer Homepage herunter, falls Sie nicht mit dem Produkt vertraut sind.



*These mounting instructions are an excerpt from the complete operating manual. It may be downloaded from our homepage, if you are not familiar with the device.*

<http://www.bdsensors.de>

– Technische Änderungen vorbehalten –  
– Technical modifications reserved –

**English**

**WARNING** - In order to avoid hazards to operators and damages to the device, the following instructions have to be performed by qualified technical personnel.

**WARNING** - Adhere to the safety and operating instructions stated in the operation manual. Effective regulations on occupational safety, accident prevention as well as national installation standards and approved engineering techniques must in addition be complied with.

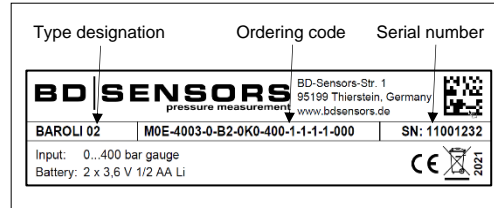
**Limitation of liability and warranty**

Failure to observe mounting instructions / operating manual or technical regulations, improper use and use not as intended, and alteration of or damage to the device will result in the forfeiture of warranty and liability claims.

**Intended use**

Ensure that the medium is compatible with the media-wetted parts and that the device is suitable for the application without restrictions. The technical data listed in the current data sheet is binding.

**Product identification**



**Supply / changing the batteries**

The digital pressure gauge is supplied by two 3.6 V-lithium-batteries (type 1/2 AA). If the symbol for low batteries is indicated in the display, it is necessary to replace them as soon as possible with two new ones of the same type in order to ensure a good readability of the values.

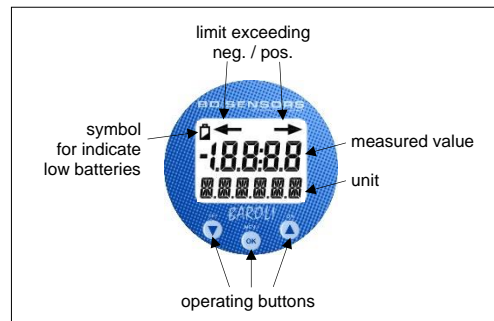
The battery case is located under the black, circular plastic cap on the top of the housing.



To change the batteries, go ahead as follows - this has only to be done in switched-off condition.

- 1 turn the plastic cap 45° anti clockwise by a coin (e.g. 2 € coin) as far as possible
- 2 hold the count tight and lever the plastic cap out of the housing with help of the count
- 3 take the cap off and change the batteries
- 4 lock the device properly

**Control and display elements**



**Mounting**

 <b>DANGER</b>	<p><b>Danger of death from airborne parts, leaking fluid, electric shock</b></p> <ul style="list-style-type: none"> <li>- Always mount the device in a depressurized and switched-off condition!</li> <li>- Operate the device only within the specification! (according to data sheet)</li> </ul>
	<p><b>Danger of death from improper installation</b></p> <ul style="list-style-type: none"> <li>- Installation must be performed only by appropriately qualified persons who have read and understood the operating manual.</li> </ul>

**NOTE** - For devices with **EHDG certificate** the corresponding specifications in the operating manual must be observed.

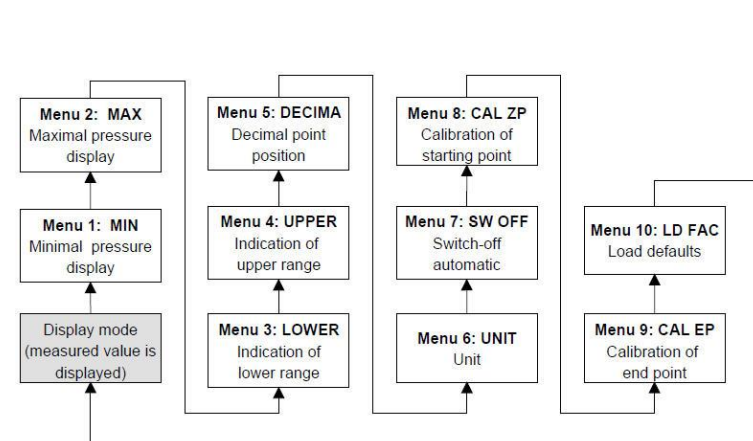
**NOTE** - Use a suitable seal for the medium and the pressure to be measured, if necessary.

**NOTE** - For connections according to DIN 3852 do not use any additional sealing material such as yarn, hemp or Teflon tape.

**NOTE** - The permissible tightening torque depends on the conditions on site (material and geometry of the mounting point). The specified tightening torques are valid for the digital pressure gauge and must not be exceeded!

<p><b>connection according to DIN 3852</b></p> <p>knurled ring: only tighten by hand wrench size of metal:</p> <ul style="list-style-type: none"> <li>G1/4": approx. 5 Nm</li> <li>G1/2": approx. 10 Nm</li> <li>G3/4": approx. 15 Nm</li> <li>G1": approx. 20 Nm</li> <li>G1 1/2": approx. 25 Nm</li> </ul> <p><b>dairy pipe connection</b></p> <ul style="list-style-type: none"> <li>- Centre the dairy pipe connection in the counterpart.</li> <li>- Screw the cup nut onto the mounting part.</li> <li>- Then tighten it using a hook wrench.</li> </ul>	<p><b>connection according to EN 837</b></p> <ul style="list-style-type: none"> <li>G1/4": approx. 20 Nm</li> <li>G1/2": approx. 50 Nm</li> </ul> <p><b>NOTE</b> - note the permitted pressure and material acc. to EN 837.</p> <p><b>Clamp- und Varivent® connections</b></p> <ul style="list-style-type: none"> <li>- Centre the connection above the counterpart with seal.</li> <li>- Fit the device with a suitable fastening element (e. g. semi-ring or retractable ring clamp) according to the supplier's instructions.</li> </ul>	<p><b>NPT connections</b></p> <ul style="list-style-type: none"> <li>1/4" NPT: approx. 30 Nm</li> <li>1/2" NPT: approx. 70 Nm</li> </ul> <p><b>flange connections</b></p> <p>Install the flange with 4 resp. 8 screws (depending on flange version) on the counter flange.</p>
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**Structure of the menu system**



**Button functions**

▲	<p><b>switch the device on in operating mode:</b></p> <ul style="list-style-type: none"> <li>- move forward in the menu system</li> <li>- increase the displayed value</li> </ul>
▼	<p><b>switch the device off in operating mode:</b></p> <ul style="list-style-type: none"> <li>- move backwards in the menu system</li> <li>- reduce the displayed value</li> </ul>
OK	<p><b>enter operating mode in operating mode:</b></p> <ul style="list-style-type: none"> <li>- select the individual menu item</li> <li>- confirm the set value</li> </ul>