

**Montageanleitung /
Mounting instructions** 

Druckmessumformer / Pressure Transmitter

DMP 303, DMP 304



DMP 304

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Diese Montageanleitung stellt einen Auszug aus der ausführlichen Betriebsanleitung dar. Bitte 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>
<http://www.bdsensors.com>

– Technische Änderungen vorbehalten –
– Technical modifications reserved –

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.

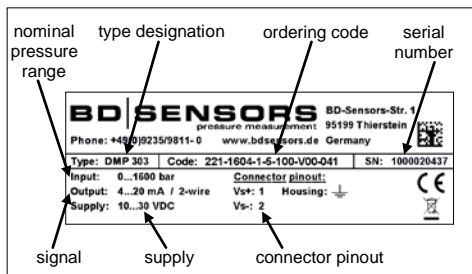
Limitation of liability

If the instructions in the operating manual are not adhered to or if the device is inappropriately used, modified or damaged, liability is not assumed and warranty claims will be excluded.

Intended use

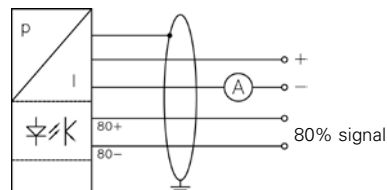
Ensure that the medium is compatible with the media-wetted parts and that the device is suitable for the application without restrictions. The technical data listed in the current data sheet is binding and must definitely be observed.

Product identification

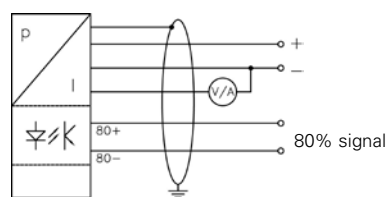


Wiring diagrams

2-wire-system (current)



3-wire-system (current/voltage)




For the electrical connection, a shielded and twisted multicore cable is recommended.

Mounting

- WARNING!** Install the device only in depressurized and currentless state!
- WARNING!** Use a suitable seal, corresponding to the medium and the pressure input.

**Connection acc. to EN 837
(for DMP 303)**



 G1/2": approx. 50 Nm

Note: permitted pressure ranges and materials according to EN837.

Internal threads M20x1.5, M16x1.5 and 9/16" UNF



Screw your high pressure connection into the internal thread and tighten it properly.

DANGER! The high pressure tube seals metal-to-metal in the chamfer of the pressure port. No further seal is permitted on this high pressure connection. A wrong installation can cause enormous danger!

Pin configuration

Electrical connections	ISO 4400	Binder 723 (5-pin)	M12x1 (4-pin)	cable colours (DIN 47100)		
supply +	1	3	1	wh (white)		
supply -	2	4	2	bn (brown)		
3-wire: signal +	3	1	3	gn (green)		
shield	ground pin	5	4	gn/ye (green / yellow)		
MIL/Bendix-Stecker (optional)						
Version	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F
2-wire current signal 4 ... 20 mA	supply +/- signal +	supply -/ signal -	-	-	calibration +	calibration -
3-wire	signal +	supply -/ signal - / calibration -	supply +	-	-	calibration +

Offset and span

The offset configuration can be performed after loosening and opening of the upper closing screw via the potentiometer (both in direction electrical connection). Use for the offset configuration a clockmaker screwdriver 0.5.

After the installation it is recommended to adjust the offset of the pressure transmitter (see chapter offset and span). The calibration is **not** affected by postadjustment of the offset.



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