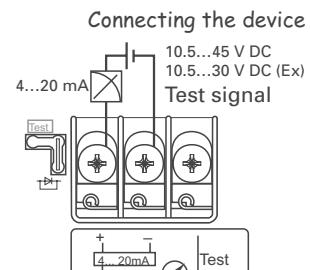


Brief Operating Instructions for PD 60 /61 and PM50/51 SW 2.0

Only for skilled personnel who have read
the relevant Operating Instructions (9499...):

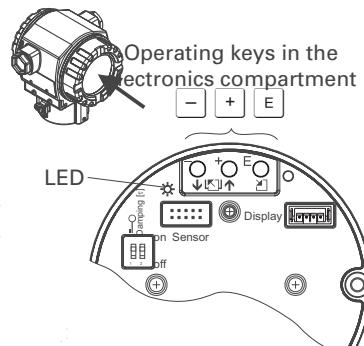
PD 60/61 : 9499-040-79711
PM 50/51 : 9499-040-79811



Position of the jumper
for 4...20 mA test signal
11.5...45 V DC
11.5...30 V DC (Ex)

- 2 -

Operation without display



- 3 -

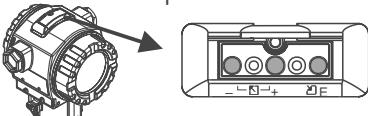
Operation without display

| Measuring mode pressure | Lower-range value | Upper-range value |
|---|--|--|
| Position ca calibration | Desired pressure is present | Desired pressure is present |
| Pressure at the device | ↓ | ↓ |
| Press E -key for 3 seconds | Press - -key for 3 seconds | Press + -key for 3 seconds |
| Does the LED light up? yes* | Does the LED light up? yes* | Does the LED light up? yes* |
| Release key | Release key | Release key |
| Acting pressure accepted for position calibration | Acting pressure accepted for lower range value | Acting pressure accepted for upper range value |

* If no, see Operating Instructions

- 4 -

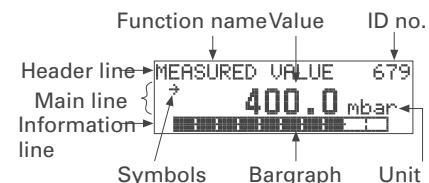
Operation with display External push buttons



- + or - Navigation in the picklist or editing the characters
- + and - Esc. (cancel), Previous menu item
- E Confirm entry
- Next menu item
- + + - + E Reset all parameters (Code 7864)

- 5 -

Operation with display Display options



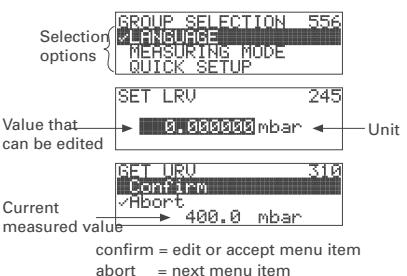
- 6 -

Operation with display Symbols

- ! Alarm present
- ! Lock (locking via hardware or software)
- ! Communication active
- ! Square-root measurement
- ↗ Measured value tendency increasing
- ↘ Measured value tendency decreasing
- ↔ Measured value tendency constant

- 7 -

Operation with display Setting options (examples)



- 8 -

Quick setup menu Pressure - Level - Flow

| | |
|---------------------|--|
| MEASURED VALUE 679 | Press E to access GROUP SELECTION |
| → 400.0 mbar | |
| GROUP SELECTION 556 | Select language |
| ✓LANGUAGE | |
| MEASURING MODE | |
| QUICK SETUP | |
| OPERATING MENU | |
| GROUP SELECTION 556 | Select quick setup menu |
| ✓QUICK SETUP | |
| OPERATING MENU | |
| LANGUAGE | |

- 9 -

Quick setup menu Pressure

| | |
|----------------------|---|
| POS. ZERO ADJUST 685 | First page 9, then correct orientation of the device (zero) ¹⁾ |
| ✓Abort | |
| Confirm | -0.5 mbar |
| SET LRV 245 | Enter 4 mA value without reference pressure |
| 0.000000 mbar | |
| SET URV 246 | Enter 20 mA value without reference pressure |
| 500.000000 mbar | |
| DAMPING VALUE 247 | Enter damping time |
| 2.0 s | |

1) POS. INPUT VALUE or POS. ZERO ADJ.

- 10 -

Quick setup menu Level

| | |
|----------------------|---|
| POS. ZERO ADJUST 685 | First page 9, then correct orientation of the device (zero) ¹⁾ |
| ✓Abort | |
| Confirm | -0.5 mbar |
| EMPTY CALIB. 314 | Enter level value for lower calibration point ²⁾ |
| 0.0000 % | |
| 0.0 mbar | |
| FULL CALIB. 315 | Enter level value for upper calibration point ²⁾ |
| 100.0000 % | |
| 0.0 mbar | |
| DAMPING VALUE 247 | Enter damping time |
| 2.0 s | |

2) Display for LEVEL MODE "linear" and CALIBRATION MODE "wet" only.

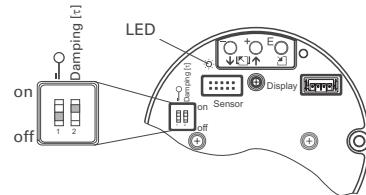
- 11 -

Quick setup menu Flow

| | |
|---------------------------|---|
| POS. ZERO ADJUST 685 | First page 9, then correct orientation of the device (zero) ¹⁾ |
| ✓Abort | |
| Confirm | -0.5 mbar |
| MAX. FLOW 311 | Enter maximum flow of primary device |
| 1.000000 m ³ s | |
| MAX. PRESS. FLOW 634 | Enter maximum pressure of primary device |
| 500.0000 mbar | |
| DAMPING VALUE 247 | Enter damping time |
| 2.0 s | |

- 12 -

Damping and locking



DIP Switch 1 DIP switch 2
Pos. off = locked Pos. off = damping off
Pos. on = unlocked Pos. on = damping on
Factory setting: off Factory setting: on (2 sec.)

9499-047-12411 (11.05)

71024573



71024573

Device identification

Device name: _____

Order code: _____

TAG no.: _____

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Automation GmbH

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9499-047-12411 (11.05)



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- 14 -

- 15 -

- 16 -

9499-047-12441 (03.06)