

■ DENSITY MONITOR TESTING DEVICES



For automatic testing of switching points in density monitors

B178R01

DensiControl DA

The F-gas regulation (EU) 517/2014 stipulates regular verification of density monitors installed in switchgear. The DensiControl DA allows quick checking to see whether the density monitor switching points are triggered in time.

This device allows precise, quick and easy verification of the switching points. The density monitor to be tested is mounted onto the device by means of a quick clamping device or a plug-in coupling (depending on the connection). After starting the measurement the pressure is automatically increased to filling pressure, the switching points are activated and recorded. The switching points can be stored in the system with serial number and temperature indication allowing a data file to be produced for documentation.



Exemplary construction, the connecting parts are **not** included in the scope of supply



Mechanical connection

- Automatic test process
- Simple installation and removal of the density monitors by quick clamps
- Easy handling and menu navigation via capacitive colour touch panel (7")
- Storage of 50 density monitor types with their corresponding switching points
- Storage of up to 200 measuring results
- Data transmission to USB stick and data output as a test report
- Indicating pressure units can be selected
- Adjustable user languages: DE, GB and FR
- Trolley for comfortable transportation
- Optional remote control via mobile devices

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Technical Data:

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|---|
| Dimensions: L 406 mm, W 538 mm, H 269 mm |
| Weight: 17 kg |
| Operating temperature: 0 °C to +45 °C |
| Operating voltage: 100 - 240 V / 50 - 60 Hz |
| Mains fuse: 2 x 3.15 A/T (time delay) |
| Number of density monitors to be stored: max. 50 |
| Number of measuring values to be stored: max. 200 |
| Interface: USB and Ethernet |
| Automatic measuring process |
| Pressure indication in bar pa / pe, kPa pa / pe, psi pa / pe, MPa pa / pe |
| Accuracy of the pressure sensor (0 - 50 °C): ≤ 0.1 % FS |

Standard equipment:

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| Transport case |
| Basic device with test vessel and adapter plate with quick coupling |
| 5-measuring point certificate for pressure sensor |
| USB stick with file for evaluating and reading out the measuring data |
| Operating manual |

Optional accessories at an extra charge:

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|---|-------------|
| Different connecting sets are available on request | |
| Remote control via mobile devices | K176R11 |
| Kit for remote control router | K176R21 |
| Kit for remote control router with extended functions | On request |
| Additional operating manual | 6-0004-R213 |

Mechanical and electrical connections at an extra charge:

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|---|--------------|
| Test kit for density monitor with square flange 80 mm | B178R01-01V1 |
| Test kit for density monitor with 2 hole flange | B178R01-02V1 |
| Test kit for density monitor with flange Ø 40 mm | B178R01-03V1 |
| Plug-in adapter for density monitor with DILO coupling tongue part DN20 | 6-1161-R039 |
| Plug-in adapter for density monitor with DILO coupling tongue part DN8 | 6-1161-R038 |
| Plug-in adapter for density monitor with ASEA connection | 6-1161-R040 |
| Plug-in adapter for density monitor with G1/2" gauge union | 6-1161-R041 |
| Other connecting kits are available on request | |
| Connecting cable kit | B178R01-84 |

Packing:

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|---------------------|------------|
| Packing for B178R01 | 3-775-R104 |
|---------------------|------------|

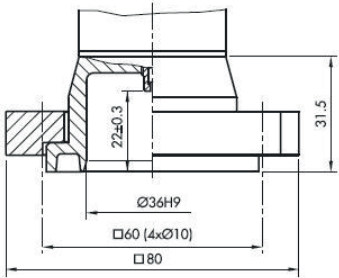
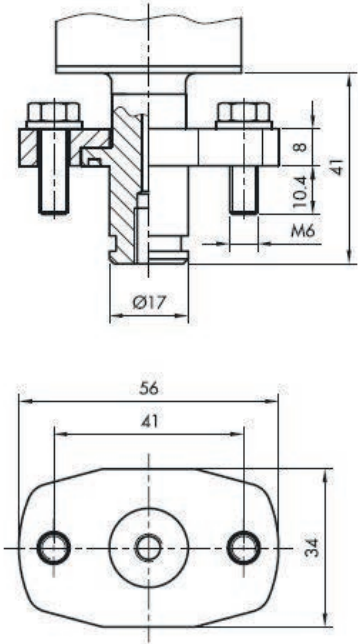
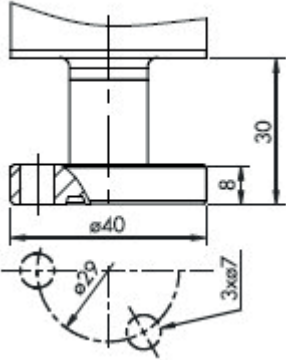


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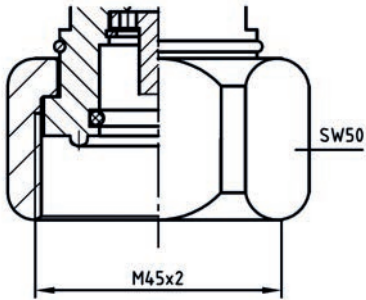
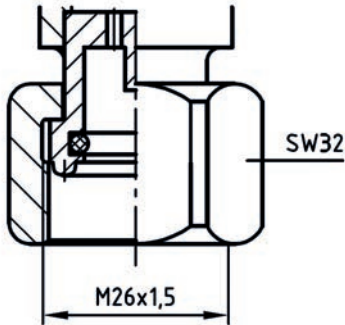
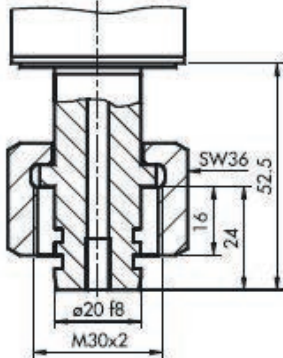
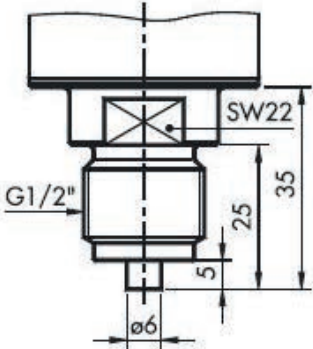
| Gas connection of density monitor | Required test kit / adapter |
|---|-----------------------------|
|  | B178R01-01V1 |
|  | B178R01-02V1 |
|  | B178R01-03V1 |

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