



DENSITY MONITOR TESTING DEVICES

Device for automatic verification of switching points of installed density monitors

B178R51

DensiControl IN with connecting kit and 6 m long measuring hose

The (EU) F-gas regulation 517/2014 stipulates regular verification of density monitors installed in switchgear. In combination with a DILLO lock valve it is possible to quickly check whether the density monitor switching points are triggered in time without disassembling the density monitor. Thus, the DensiControl IN allows very quick, easy and precise verification of the switching points without SF₆ emission.

The density controller to be verified is selected in the database and is separated from the gas compartment with the lock valve. After starting the measurement the gas in the density monitor is slowly released and collected in the internal storage vessel. During that procedure, the switching points are activated and recorded automatically. Furthermore, the switching points can be stored in the system with serial number and switchgear temperature and downloaded for documentation later on. After the measurement, the collected gas is pumped back into the switchgear.



In combination with a special lock valve the DensiControl IN density monitor testing device allows reliable verification of density monitors directly on the gas compartment.

- Automatic test process
- Test of density monitor without disassembly and without SF₆ emission (assembly of density monitor on lock valve is necessary)
- Easy handling and menu navigation via 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: German, English and French
- Trolley for comfortable transportation



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DensiControl IN

Technical data:

Dimensions: L 406 mm, W 538 mm, H 269 mm
Weight: 21 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 monitor types 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:

Transport case
Basic device with internal storage vessel
Connecting kit and 6 m long measuring hose
5-measuring point certificate for pressure sensor
USB stick
DILO connecting couplings DN8 and DN20
Operating manual

Optional accessories at an extra charge:

Different connecting cables on request	
6 m long measuring hose extension	B178R51-02
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
Angle piece for DILO connecting couplings	3-817-R008

Packing:

Packing for B178R51	3-775-R104
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