

OPERATING MANUAL dV-1

DIGITAL MANOMETER



Housing:
68 x 47 x 35 mm

- ① Actual Pressure
- ② Pressure Connection
- ③ On/Off Key
- ④ Battery Compartment



Housing:
50 x 33 x 20 mm

GENERAL

Depending on the pressure range, the dV-1 is delivered either with or without On/Off key.

Version without On/Off Key (only for ranges 10 bar, 20 bar resp. 100 PSI , 200 PSI)

The module automatically turns on when a pressure is applied. For the turn-on, a positive pressure difference of 0,1 bar/second (10 bar range) resp. 0,2 bar/second (20 bar range) is required. The dV-1 will automatically turn off when the pressure is released.

While the manometer is turned off (Standby-mode), it continuously conducts a digital zero correction and is thus compensating barometric pressure variations and temperature errors. The zero point is set when the dV-1 is turned on, and remains fixed until the applied pressure is released. The dV-1 then re-enters the Standby-mode.

For absolute pressure ranges, the zero is factory set at 0,00 bar absolute. No adjustment is possible.

Version with On/Off Key

The manometer is turned on by pressing the key. Pressing the key again turns the instrument off (keep key pressed until the status has changed).

If the actual pressure goes beyond the measuring range of the instrument, the display shows "-- --".

INSTALLATION

Screw the dV-1 into the pressure port and tighten using the hexagon of the transducer (pressure connection). If necessary, adjust the manometer housing.

The instrument may only be installed and operated by authorized qualified personnel.

BATTERY CHANGE

Housing 68 x 47 x 35 mm

Carefully pull forward the front cover by hand. Pull the battery out of the battery holder and insert a new one (type CR 2032 Lithium 3,0 V). Snap the cover back into its place.

Housing 50 x 33 x 20 mm

Pull out the battery compartment sideways and replace the battery (type CR 1632 Lithium 3,0 V). Make sure that the negative pole (unlabelled side) is facing upwards.

OEM-Module

No battery change possible. The battery (type CR 1632 Lithium 3,0 V) is soldered in.

BATTERY LIFE

Renata CR 2032 Lithium: Min. operation time 4 years @ 8 hours per day

Renata CR 1632 Lithium: Min. operation time 2 years @ 8 hours per day

Power consumption rate Active to Standby = 4 : 1.

Declaration of Conformity
(will follow shortly)

