DVR 3pro

THE VERSATILE ATEX MEASURING GAUGE FOR ROUGH VACUUM

chemically resistant, precise, battery-powered

vacuubrand

Technology for Vacuum Systems

VACUUM GAUGE

The DVR 3pro is a fully electronic, versatile vacuum gauge with ATEX approval for use in areas with potentially explosive atmospheres (ATEX category 2). Thanks to the easy operation and the combined digital/analog pressure display, measured values can be viewed fast and precisely. The DVR 3pro has an integrated pressure sensor made of aluminum oxide ceramic with excellent corrosion resistance and high long-term stability. A particular advantage is the flexible use with 9V battery power supply (mains-independent operation). Approved batteries are available from retail outlets. The removable cover at the back of the gauge allows for easy battery replacement. (Note: battery replacement must be done outside the hazardous ATEX area.)

- Flexible application range due to mains-independent operation of the fully electronic vacuum gauge with ATEX approval
- Large, graphical analog display combined with precise digital readout allows users to detect and view tendencies easily
- Improved functionality within the navigation menu helps to save energy and to increase the life cycle of the battery; battery easily replaceable; no lithium battery
- High reliability, low EMI emission level near detection limit, high degree of immunity to electromagnetic interference, suitable for use in industrial environments
- Capacitive ceramic diaphragm vacuum sensor made of aluminum oxide with excellent chemical resistance, accuracy and long-term stability

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TECHNICAL DATA	DVR 3pro
Upper measuring limit	1060 / 795 mbar/hPa / torr
Lower measuring limit	1 / 1 mbar/hPa / torr
Measurement principle	Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure
Accuracy of measurement	< +- 1 mbar/hPa/torr / +- 1 digit (after adjustment, constant temp.)
Temperature coefficient	< 0.15 mbar/hPa/0.11 torr /K
Vacuum connection	Small flange KF DN 16, PTFE tubing connection 10/8 mm, hose nozzle DN 6/10 mm
Permissible ambient temp. range storage / operation	-10 - 60 / 10 - 40 °C
Max. media temp. for continuous operation / short times	40 / 80 °C
Automatic switch-off	User-selectable: 1-600 min (default 5 min) or continuous operation
Measurement cycle	User-selectable: Automatic or 1 x per 3s, 1 x per 1s, 3 x per 1s
Degree of protection	IP 40
Power supply	9 V battery
Dimensions (L x W x H), approx.	117 x 117 x 91 mm
Weight, approx.	0.4 kg
ATEX-approval	II 2G EX ib IIC T4 Gb

ACCESSORIES

PTFE tubing KF DN 16 (1000 mm: 20686031)
DAkkS calibration with first delivery (20900214)
DAkkS recalibration (20900215)
Rubber vacuum tubing DN 6 mm (20686000)
9 V battery (20612891)

ORDERING INFORMATION	DVR 3pro
DVR 3pro	20682907

ITEMS SUPPLIED

Vacuum gauge complete with integrated vacuum sensor, including battery, hex key, connecting parts and manual.