

# LEAK PREVENTION TECHNOLOGY

*For a clean and protected environment*




## Digital Manometer **DM 115 EX:** For **safe and accurate measurements** in hazardous areas

*Measuring range -1 to +1,5 bar*



Art.nr. 115 381

- Measuring range from -1000 to +1500 mbar
-  II 1/2G Ex ia IIB + H<sub>2</sub> T4 Ga/Gb
- incl. hose and suitcase

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## Technical Data DM 115 EX

### Sensor Technology:

Measuring range	-1 ... +1,5 bar
Overpressure safety	max. 4,5 bar (without destruction or recalibration of sensor being necessary)
Accuracy	0,1 % FS (standard)
Temperature range comp.	-10°C ... +50°C (14 ... 122 °F)
Pressurizing medium	all liquids and gases compatible with CrNi-steel 316

### Display:

Resolution	4 digits depending on the selected pressure unit
Pressure units	Standard: psi, bar; adjustable on mbar, kg/cm <sup>2</sup> , Pa, hPa, Mpa, mmH <sub>2</sub> O, inHg, ...

### Functions:

Measuring rate	max. 50/s
Menu languages	Standard: German Adjustable: English, Italian, French, Spanish, Russian, Polish
Memory	Standard: MIN/MAX Optional: integrated data logger
Menu functions	Min/Max alarm (visual), power-off function, measurement rate, mean filter, pressure rate, mean value (via adjustable interval), level indicator, tare offset, display attenuation
Mean value interval	1 ... 300 sec, adjustable
Data logger	Cyclical logger: automatic recording of up to 1,000,000 values; Cycle time: selectable from 1 ... 3,600 s in 1-second increments or with the measurement rate in the following steps: 1/s, 3/s, 10/s and 50/s

### Pushbuttons:

Membrane keyboard

### Power supply:

Auxiliary energy	3 x 1,5 V AA alkaline cell ( <i>only allowed: Duracell, Simply by Duracell MN1500; Duracell, Duralock Plus Power MN1500; Varta, RAYOVAC Maximum Plus 4006</i> )
Maximum voltage	DC 4,95 V (spark ignition)
Life of battery	typical 2.000 ... 2.500 h (without backlight and WIKA wireless not active)
Battery level indicator	Symbol display with 4 bars shows the battery status in 25% increments

### Permissible environmental conditions:

Operating temperature	-10 ... +50 °C (14 ... 122 °F)
Measuring material temp.	-10 ... +50 °C (14 ... 122 °F) (lower temperature limit > freezing point of the medium)
Storage temperature	-20 ... +70 °C (-4 ... +158 °F)
Relative humidity	< 95 % r.F. (non-condensing)

### Communication (opt.):

Interface	WIKA wireless (requires a PC with Bluetooth® 2.1 interface)
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### Housing:

Protection class	IP65
Material	Aluminum die-cast, nickel-plated

### Weight:

3,3 kg (box incl. measuring instrument with hose)

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