

## Media 7 Differential Pressure Meter with remote data transmission

- Measuring and indicating the differential pressure, pressure, or measured variables derived from them
- Suitable for liquids, gases or vapors

### Measurement tasks

- Liquid level and differential pressure measurements in pressure tanks, especially for cryogenic gases

### Special features

- Microprocessor-controlled transmitter with digital interface
- 4" backlit graphics display
- Easy operation using capacitive keys
- Internal 60 bar absolute pressure sensor
- Exchangeable power supply unit with standby power supply (SPS)
- Modular design: simple to install or exchange optional additional functions by inserting option modules (four slots in the device)
- Remote data transmission (optional) with GSM module
- Oxygen approval based on DIN EN ISO 7291
- Certification for Zone 0 (flammable gases and liquids)
- Start-up wizard



Technical data				
Nominal pressure	PN 60, overloadable one one side up to 60 bar; oxygen: PN 50, overloadable one one side within the adjusted system pressure			
Characteristic	Differential pressure proportional to the tank geometry			
Sensitivity	$\leq 0.25\%$ or $\leq \pm 0.5\%$ depending on measuring span selected			
Effect of static pressure	$< 0.03\%/1$ bar			
Degree of protection	IP 67 according to IEC 60529 (VDE 470 Part 1, 2014-09)			
Measuring range in mbar	0 to 160	0 to 600	0 to 1600	0 to 3600
Adjustable measuring span in mbar				
Class $\pm 1\%$	–	$\leq 630$ to $\geq 150$	$\leq 1700$ to $\geq 320$	$\leq 3800$ to $\geq 720$
Class $\pm 1.6\%$	$\leq 170$ to $\geq 60$	$\leq 150$ to $\geq 120$	–	–
Effect of ambient temperature in the range from $-20$ to $+70$ °C				
On zero in $\%/10$ K	$< \pm 0.4$	$< \pm 0.1$	$< \pm 0.1$	$< \pm 0.1$
On span in $\%/10$ K	$< \pm 0.4$	$< \pm 0.1$	$< \pm 0.1$	$< \pm 0.1$
Remote data transmission	2G GSM module			
Frequency	GSM (900 MHz), AMPS (824-894 MHz), ISM (868 MHz), DCS (1800 MHz), PCS (1900 MHz), 3G (UMTS 2.1 GHz)			
Operating temperature	$-30$ to $+75$ °C (with heating: $-40$ to $+75$ °C)			
Power supply				
Two-wire version				
Output	4 to 20 mA			
Perm. load $R_B$ in $\Omega$	$R_B = (U_B - 12 \text{ V})/0.020 \text{ A}$			
Supply voltage $U_B$	12 to 36 V DC			
24 V version				
Input voltage	18 to 36 V DC			
Output voltage	12 V DC			
Power	24 W			
Version	Reverse polarity protection			