Media 7 Differential Pressure Meter

With remote data transmission

- Liquid level and differential pressure measurements in pressure tanks, especially for cryogenic gases
- Integrated GSM module for remote data transmission
- Non-contact sensor
- Internal 60 bar absolute pressure sensor
- Modular design
- Easy to install or exchange optional additional functions
- Power supply unit with standby power supply (SPS)
- 4″ backlit graphics display with heating
- Easy operation using four capacitive keys

SAM TANK MANAGEMENT

SAM® DIGITAL

Data – Media 7 Differential Pressure Meter

Technical data				
Nominal pressure	PN 60, overloadable on one side up to 60 bar; oxygen: PN 50, overloadable on one side within the adjusted system pressure			
Characteristic	Differential pressure proportional to the tank geometry			
Sensitivity	≤0.25 % or <±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 0470 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 ±1 %	–	≤630 to ≥150	≤1700 to ≥320	≤3800 to ≥720
Class ±1.6 %	≤170 to ≥60	≤150 to ≥120	–	–
Effect of ambient temperature in the range from –20 to +70 °C				
On zero in %/10 K	<±0.4	<±0.1	<±0.1	<±0.1
On span in %/10 K	<±0.4	<±0.1	<±0.1	<±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	–40 to +70 °C			
Power supply				
Two-wire version				
Output	4 to 20 mA			
Perm. load R_B in Ω	$R_B = (U_B - 12\ V)/0.020\ A$			
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			

SAMSON AKTIENGESELLSCHAFT
Weismuellerstrasse 3 · 60314 Frankfurt am Main, Germany
Phone: +49 69 4009-0 · Fax: +49 69 4009-1507
E-mail: samson@samson.de · Internet: www.samson.de

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