

DM - 9200

PRECISION DIGITAL MANOMETER



Multiple ranges and multiple functions
Temperature compensated



since 1984

AIRfair

EMISSION MONITORING SYSTEMS



DM - 9200

Suitable for continuous measurement of pressure, low pressure and differential pressure for non-aggressive gases, e.g. gas flow pressure, nozzle pressure, combustion chamber pressure and chimney draft.

FEATURES

- >> Microprocessor controlled piezoresistive pressure sensor
- >> Zero point adjustment via software
- >> Pressure unit selection in hPa, mbar, bar, psi, mm Hg, inch HG, inch H2O
- >> Automatic temperature compensation via microprocessor
- >> Easy-to-read LCD display
- >> Infrared interface for printer (printer is optional)
- >> Measuring data memory for 20 measurements
- >> Minimum / maximum value memo
- >> Programmable average value calculation
- >> ABS case with rear magnetic plate

ADVANTAGES

- >> Easy handling due to a compact and lightweight case and a large display
- >> All functions of the logical software are operated with only 3 keys
- >> Additional data integrity of measurements through print and memory function
- >> The programmable average value calculation allows a "smoothing" of highly fluctuating measuring values in low pressure ranges
- >> Very sensitive low pressure ranges are not a problem with the long-term stability sensor in the high precision version

	Sensor type 1 75 hPa (30 inH2O)	Sensor type 2 130 hPa (52 inH2O)	Sensor type 3 350 hPa (140 inH2O)	Sensor type 4 1000 hPa (400 inH2O)
Measuring range	MR 1: -99.9 Pa ... + 750.0 Pa MR 2: -750 Pa... - 100 Pa MR 3: + 7.5 hPa + 75.0 hPa	MR 1: -20.0 ... + 20.00 hPa MR 2: -130 ... + 130.0 hPa	- 350 hPa ...+ 350 hPa	- 999 hPa... + 1000 hPa
Resolution	MR 1: 0.5 Pa MR 2: 1.0 Pa MR 3: 3.0 Pa	MR 1: 1.0 Pa MR 2: 0.1 hPa	1.0 hPa	1.0 hPa
Accuracy	± 1.0% FS	± 2.0% FS	± 2.0% FS	± 2.0% FS
Repeatability	± 1.0% FS	± 0.5% FS	± 1.0% FS	± 0.5% FS
Gas velocity	> 1 m/s / resolution 0.1 m/s	V > 5 m/s / resolution 0.1 m/s	not available	not available
	# 912 002	# 912 004	# 912 001	# 912 000

Media	all non-aggressive media	
Connection pressure/ low pressure	hose coupling Ø 8,0 mm silicone hose Ø 6 x 2 mm	+ for pressure - for low pressure
Power supply	2 x Mignon LR6 AA batteries	
Operation temperature	+5°C to +40°C	41°F to 104°F
Storage temperature	-10°C to +50°C	14°F to 122°F
Case	ABS case with rear magnetic plate	
Dimensions (w x h x d)	84x139x24 mm	3.3" x 5.47" x 0.94"
Weight	approx. 250 g	approx. 0.6 lbs.

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