



KM3712 | 2-channel relative pressure measuring terminal -1,000...+1,000 hPa (-1...+1 bar)

The KM3712 pressure measuring terminal enables direct measurement of two negative pressure values at the hose connections. The pressure is determined as a pressure difference to the ambience of the KM3712 and is available in the fieldbus as a 16 bit value. The status LEDs indicate proper function or errors such as over-range.

Technical data	KM3712
Technology	relative pressure measurement
Number of inputs	2
Measuring error	3 % (relative to full scale value)
Measuring range	-1,000...+1,000 hPa (-1...+1 bar)
Max. overload	5,000 hPa (5 bar)
Resolution	1 hPa (1 mbar) per digit
Measuring speed	5 ms typ.
Current consumption power contacts	– (no power contacts)
Current consumpt. K-bus	typ. 15 mA
Bit width in the process image	2 x 3 byte input/output
Medium	non-aggressive gases
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Approvals	CE, UL