

DIGITAL PRESSURE INDICATOR WITH PEAK HOLD MEASUREMENT

PICCOLO

The Piccolo incorporates the KELLER piezoresistive pressure transducer noted for its stability, high accuracy and reliability. It is well suited for both static and dynamic applications and is capable of capturing transient pressure pulses with durations of only micro-seconds.

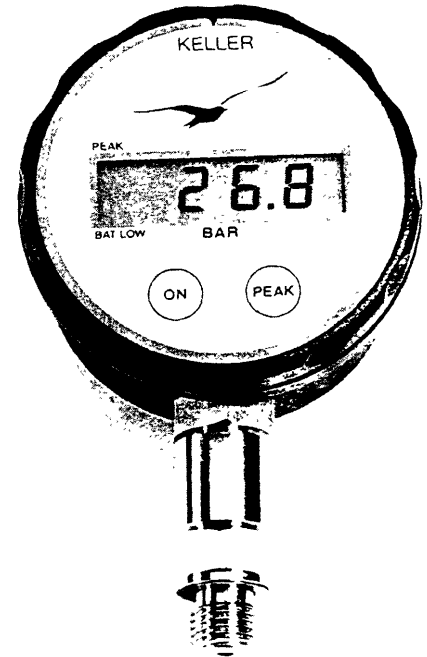
STATIC MEASUREMENTS

The analog signals of the static measurements digitized three times per second. The total accuracy is <math><0,5\%</math> max., with an option of 0,2% by sensor selection. The stability is less than 0,1% (typical), even after years of operation.

PEAK VALUE MEASUREMENTS

In the PEAK Mode the sensor signal for the increasing pressure cycle is fed into a diode / capacitor circuit. The diode prevents capacitor discharge when the pressure decreases again. Thus very rapid peaks can be measured.

The 9V battery of the Piccolo lasts 80 hours in continuous operation. A time-out switch automatically turns the instrument off after 10 minutes. This allows approximately 1000 measurement operations per battery. The battery can be replaced easily. Battery type: 9V PP3 MN1604/6LR61 or equivalent.



SPECIFICATIONS

ORDER DESCRIPTION: PICCOLO-PA(A)(PR)-Range (Class 0,2%)

Ranges abs. (PAA)	Ranges* rel. (PR/PA)	Resolution	Accuracy class		Overload
			0,5%	0,2%	
0...2 bar	0...2 bar	0,001 bar	0,01 bar	0,005 bar	3 bar
0...20 bar	0...20 bar	0,01 bar	0,1 bar	0,05 bar	30 bar
	0...200 bar	0,1 bar	1 bar	0,5 bar	300 bar
	0...600 bar	1 bar	3 bar	1,5 bar	800 bar
	0...1000 bar	1 bar	5 bar	2,5 bar	1200 bar
	0...2000 bar	1 bar	10 bar	N/A	2000 bar

* The 0...2 bar Piccolo incorporates a gauge sensor (PR), higher ranges use absolute sensors (PA).

* These versions also function in the minus range down to -1 bar. Though, the specified accuracy of the 0...2 bar Piccolo is not guaranteed in the minus range (Piccolo -1...2 bar with 5 mbar accuracy also in the minus range upon request).

