

intelligent digital manometers models: mano gauge | mano record mano cali

- Data internal recording ○
- Calibration accuracy ○
- Ranges up to 1000 bar ○
- CE compliance ○
- Intrinsically Safe versions ○ **Ex** **CE**



This is a highly accurate microprocessor-controlled pressure measuring instrument. SensoBrain™, a KELLER-designed low power signal processor, transmits the signals of the pressure- and temperature sensor to the microprocessor, which digitally compensates the sensor data.

This mathematical modelling of the pressure sensor virtually eliminates all errors over a wide temperature range.

All KELLER and KAVLICO sensors are compatible with the electronics of the Intelligent Manometers.

MANO GAUGE (Basic Version)

Display of: Pressure, Pressure Unit, Temperature, Elapsed Time

Alternative: Pressure, Pressure Unit, Max. and Min. Value

All functions are executed with the front key of the instrument. It allows the display to be set to zero and to change the measuring cycle for prolonged battery life.

Two pressure sensors can be connected to the MANO GAUGE (optional).

Analog outputs can be provided 4...20 mA or 0...10 V (optional).

MANO RECORD (MANO GAUGE plus data recording)

Based on the MANO GAUGE, the MANO RECORD records and stores the measured values. The front key is used to select which data shall be displayed and stored, and to set the recording interval and the number of readings (memory for 960 or optionally 8100 readings). The read-out of the stored data is via RS 232 serial interface (Logger Software and K101 cable available as option).

MANO CALI (CALIBRATOR VERSION plus data recording)

In the basic mode, the MANO CALI displays: Pressure, Pressure Unit, Max. and Min. Values.

Units are selected via the front key (bar, PSI, kPa, MPa,...). MANO CALI also incorporates the functions TARA (sets a new temporary zero reference), LEAK (measures a pressure change over a programmable time) and RES (reduces the standard resolution by factor 10).

A separate HOLD-key on the instrument freezes the reading. This instrument has the same data recording features as the MANO RECORD.

general specifications

Mano Gauge / Mano Record

Vented Gauge or Absolute		Sealed Gauge or Absolute	
Range	Resolution	Range	Resolution
30 mbar	0,01 mbar	100 bar	0,03 bar
300 mbar	0,1 mbar	300 bar	0,1 bar
1000 mbar	0,3 mbar	600 bar	0,2 bar
-1...2 bar	1 mbar	1000 bar	0,3 bar
10 bar	3 mbar		
30 bar	10 mbar		

Mano Gauge / Mano Record

Sealed Gauge or Absolute	
Range	Resolution
-1...2 bar	0,5 mbar
-1...10 bar	1,8 mbar
-1...25 bar	4,3 mbar
200 bar	0,03 bar
350 bar	0,05 bar
700 bar	0,1 bar

In MANO GAUGE and MANO RECORD the measuring ranges are divided by 12 bit or 3000 points. In MANO CALI over 13 bit or 6000 points. The resolution is determined by the measuring range and the number of measuring points.

