

Product overview

Digital Manometers and Calibrators



KELLER

Digital Manometers

Ranges from 30 mbar to 1000 bar



Series ECO 1 / ECO 1 Ei

Digital Manometer / Accuracy 0.5%
MIN/MAX-function, various units

Ranges: -1..30 bar, 0..300 bar
Supply: 3V battery (1000h)
Accuracy: typ. $\pm 0.5\%$ FS (0..50°C)
Operating temperature: -20..70°C
Sensor: stainless steel 316L, IP65
For hazardous applications ECO 1 Ei
(ATEX) II 1 G EEx ia IIC T6 or T5



Series LEO 1 / LEO 1 Ei

Digital Manometer / Accuracy 0.2%
PEAK-measuring rate 5kHz

Ranges: -1..3/-1..30/300/700/1000 bar
Supply: 3V battery (1000 h)
Accuracy: $\pm 0.2\%$ FS (0..50°C)
Operating temperature: -20..70°C
Sensor: stainless steel 316L, IP65
For hazardous applications LEO 1 Ei
(ATEX) II 1 G EEx ia IIC T6 or T5



Series LEO 2 / LEO 2 Ei

Digital Manometer / Accuracy 0.1%
MIN/MAX-function, various units

Ranges: -1..3/-1..30/0..300/0..700 bar
Supply: 3V battery (1000 h)
Accuracy: $\pm 0.1\%$ FS (RT)
Operating temperature: -20..70°C
Sensor: stainless steel 316L, IP65
For hazardous applications LEO 2 Ei
(ATEX) II 1 G EEx ia IIC T6 or T5



Series LEO 3

Intelligent Pressure Transmitter with digital indication
Output RS485 and 4..20mA, class 0.1%

Ranges: -1..3/-1..30/300/700/1000bar
Output: RS485 or analog 4..20mA
Supply: 8..28 VDC
Accuracy: typ. $\pm 0.1\%$ FS (0..50°C)
Operating temperature: -10..60°C
Sensor: stainless steel 316L, IP65



Series LEX 1 / LEX 1 Ei

Precise digital Manometer with 0.05% accuracy
On request also with 0.025% and 0.01%

Ranges: -1..2/-1..20/200/400bar/1000 bar
Output: RS485
Supply: 3V battery (2000 h)
Accuracy: $\pm 0.05\%$ FS (10..30°C)
Operating temperature: -10..60°C
Sensor: stainless steel 316L, IP65
For hazardous applications LEX 1 Ei
(ATEX) II 2 G EEx ia IIC T6



Series LEO Record / LEO Record Ei LEO Record Capo / LEO Record Capo Ei

Digital Manometer with memory function for temperature and pressure recording up to 57000 measurements, class 0.1%

Ranges: -1..3/-1..30/300/700/1000bar
LEO Record Capo: 30,100 and 300 mbar
PR (rel.) or PD(diff.)
Output: RS485
Supply: 3.6V battery (up to 5 years)
Accuracy: $\pm 0.1\%$ FS (0..50°C)
Capo: $\pm 0.2\%$ FS (10..40°C)
Operating temperature: -10..60°C
Sensor: stainless steel 316L, IP65
For hazardous applications LEO Record Ei,
LEO Record Capo Ei
(ATEX) II 2 G EEx ia IIC T6

Digital Manometers “daVinci“

Ranges: 1 bar to 700 bar



Series dv-2

Digital Manometer or OEM-Module only

Ranges: -1..3/-1..30/0..300/0..700bar
 Supply: 3V battery
 Accuracy: $\pm 0.5\%$, $\pm 0.2\%$, $\pm 0.1\%$ FS
 Operating temperature: 0..50°C
 Sensor: stainless steel 316L, IP64

Series dv-2 COOL

Digital Manometer for coolant examination

Ranges: -1..40/-1..80 bar (others on request)
 Supply: 3V battery
 Accuracy: $\pm 0.1\%$ FS (10..40°C)
 Operating temperature: 0..50°C
 Sensor: stainless steel 316L, IP64

Series dv-2 PS

Digital Pressure Switch with RS 485 output

Ranges: 0..4/0..31/0..200/0..700 bar
 Output: RS485 / Photo-MOS 40V/0.4A
 Supply: 8..28 VDC
 Accuracy: $\pm 0.1\%$ FS (10..40°C)
 Operating temperature: 0..50°C
 Sensor: stainless steel 316L, IP64

Calibrators and Pumps

Ranges: -1..2 bar to 0..700 bar



Calibrators LP / MP / HP

Pressure Calibrator with digital indication

Output RS485 and 4..20mA, class 0.1%
 Ranges: -1..2/-1..10/-1..25/200/350/700 bar
 Output: RS232 or RS485
 Supply: 3.6V battery
 Accuracy: typ. $\pm 0.05\%$ FS (0..50°C)
 Operating temperature: 0..50°C
 Sensor: stainless steel sensor 316L, IP54



Hand Pumps K/P, HTP, P12

In combination with any Manometer
 Ranges from -0.9 to 700 bar

Ranges: -0.85 (0.95)..25 (40) bar (K/P)
 -0.85..10 bar (LPB)
 0..700 bar (HTP, P12)
 Medium: air, distilled water or oil



READ/PROG30, DCX, Switch Console

Software for initial parameter settings
 and for recording and processing
 of measured data

Instrument settings (pressure and temperature ranges, software version, etc.).
 Data listing and calibration of digital transmitters and manometers. Recording of measured data and its processing (graphically). Programs are supplied free of charge on a CD or they are available for download from our website.

Digital Indicators



EV-94EB

**Universal programmable Indicator
Easy-Bus, 2 switching outputs**

Display: 4 Digit LED, 10mm
Accuracy: $\pm 0.2\% \pm 1$ Digit
Inputs: 0..0.05/1/2 /10V
Outputs: Push-Pull, NPN, PNP, RS 485
Supply: 9..28V
Plastic housing, front IP65



EV-97

**Digital Indicator for Transmitter socket
Current loop powered**

Display: 4 Digit LCD, 10mm (LED on request)
Accuracy: $\pm 0.2\% \pm 1$ Digit
Supply: does not require additional supply
Plastic housing, IP65.
Special adapter for connecting DIN43650 plug



EV-06

Universal, programmable Indicator

Display: 4 Digit LED, 10mm
Accuracy: $\pm 0.2\% \pm 1$ Digit
Inputs: 0..1V, 0..10V, 0/4..20mA,
0..2V, 0..50mV
Outputs: 2 Relays W(max 10 A, AC1 250 V)
S (max 5A, AC1 250V)
Supply: 230V AC 50/60Hz (others on request)
Plastic housing, front IP65.



EV-120

**Digital Indicator in combination with
KELLER Transmitter Series 30X / 40X**

Display: LCD
Accuracy: according to pressure transmitter
Input: RS485 directly from pressure transmitter
Output: RS485 or analog 0..10V or 4..20mA
Supply: 9V battery (6LR61)
Plastic housing, IP40.



CASTELLO

**Precise and waterproof Instrument
for measuring tank volume**

Display: 5 Digit LED
Accuracy: typ. 1 mbar
Input: RS485 or via transmitter
Integrated barometer eliminates problems
with cables with integrated capillary
Supply: 9V battery / externally 8..28V
Sensor: stainless steel 316L, IP68
Housing: aluminium or plastic, IP65