



- Types E-Ex and D-Ex
- Types E2 and D2
- Type J
- Type P
- Types Q and L



Including products with:



## DIGITAL PRECISION PRESSURE GAUGES



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# Digital precision pressure gauges

## Exact and reliable

Digital pressure gauges are particularly suitable for both stationary and mobile measurement and display of pressure. They can be used as reference pressure gauges to simplify the checking, adjustment and calibration of other pressure measurement devices directly on site.

High accuracy in signal acquisition is achieved by using high-performance measuring cells with electronic linearisation of the characteristic curve. Suitable instruments are available for a wide variety of measurement tasks.

Ease of use is assured by innovative design and advanced technology. All essential functions for everyday use can be selected conveniently at the press of a button. Excellent protection against dust and moisture is provided by a membrane keypad or rubber buttons. Integrated supplementary functions make our digital pressure gauges true all-rounders.

### Negative / Positive / and Differential Pressure

Measuring ranges from -1 bar negative pressure to 2500 bar positive pressure with high overpressure protection are available. Very small differential pressures in the millibar range can also be measured. Differential pressure measuring cells or two independent measuring inputs are used for this purpose.

### Resolution / Accuracy

It is often necessary to use several mechanical pressure gauges when measurements must be made over a wide pressure range with sufficient accuracy. Digital pressure gauges with high resolution and precision can handle this task with just one instrument.

An indicating accuracy of 0.5% to 0.01% covers the entire spectrum of requirements. This precision is often found only in sensitive laboratory instruments, whereas SIKA digital pressure gauges are designed for use in harsh industrial environments.

### Tare / Zero

User-defined zero point setting at the push of a button makes offset adjustment easy and eliminates the need for tedious mechanical adjustment. Single-point adjustment allows the linear characteristic curve to be shifted in positive or negative direction over the entire measuring range.

### Linearisation

Multi-point adjustment can be performed if it is necessary to adjust the indicated values at different test points. Two-point adjustment is available for setting the zero point and slope of the measuring cell curve. Some digital pressure gauges allow up to six offset values to be programmed in order to shift the characteristic curve to meet the most stringent customer expectations.

### Battery operation / Auto-Off

Power is supplied by long-life batteries (ordinary or rechargeable). An external AC adapter can also be used. To increase battery operating time, a programmable Auto-Off function switches off the power to the instrument after prolonged inactivity. The electronics are designed for extremely low power consumption, which enables a battery life of significantly more than 1000 hours.

#### Type E2 / D2 and P



#### Advantages at a glance

- Exact and reliable measurement
- High operational readiness
- Easy and clear readout
- Well suited to difficult on-site tasks
- Easy to assemble and use
- Supplementary functions for extra value
- EX-version available on request

## Data memory

The logger function for local data storage can be used to record pressure curves automatically and perform leak tests. The integrated data memory in digital pressure gauges allows a variety of data sets to be recorded directly. The time interval between samples is programmable and the maximum recording interval is configurable. The stored values can be displayed on a PC. Data import at the press of a button is also possible. In this case the data is shown directly on the display. In this process the values are automatically annotated with the date and time of day using an integrated real-time clock.

[→ Reference type R, J](#)



## Analogue output

An electrical output signal enables remote display on a control console or in a control room as well as the connection of external recorders and indicating instruments.

[→ Reference type Q](#)

## Relay output / Alarm signalling

Digital pressure gauges allow limit contacts to be closed even at low pressures. There is no need for high actuation forces for magnetic spring or inductive contacts, which makes it easier to signal critical equipment conditions and perform supplementary control tasks. A built-in buzzer generates an alarm when the pressure exceeds the range of the programmed minimum and maximum pressure levels.

[→ Reference type Q](#)

## Temperature display

Temperature measurement is often required in addition to pressure measurement. For this purpose, a temperature sensor is integrated in the measuring cell to detect the temperature of the medium. The process temperature can be displayed at the press of a button. This allows two quantities to be measured at a single measuring point, which saves costs.

[→ Reference type R, J, P](#)

## Explosion protection

Explosion-proof versions are also available for use in potentially explosive locations, e.g. oil refineries, chemical plants and drilling platforms.

[→ Reference types E-Ex, D-Ex, L](#)

## Example applications

- Continuous or temporary checking of a wide variety of system pressures
- Air density measurement in building shells for the detection and elimination of problem areas and avoiding structural damage
- Monitoring the degree of soiling of filter units in ventilation or air conditioning systems
- Recording pressure drops for the determination of leakage rates in leak tests
- Measurement of barometric air pressure for the determination of weather conditions
- Reference pressure gauge for calibration tasks

## Type E-Ex, D-Ex

Type E-Ex



Type D-Ex



Type E-Ex

|                              |                   |
|------------------------------|-------------------|
| <b>Accuracy (full scale)</b> | 0.5 %             |
| <b>Pressure range</b>        | <b>Resolution</b> |
| -1...30 bar                  | 10 mbar           |
| 0...300 bar                  | 100 mbar          |

Type D-Ex

|                              |                   |
|------------------------------|-------------------|
| <b>Accuracy (full scale)</b> | 0.1 %             |
| <b>Pressure range</b>        | <b>Resolution</b> |
| -1...3 bar                   | 1 mbar            |
| -1...30 bar                  | 10 mbar           |
| -1...60 bar                  | 10 mbar           |
| 0...300 bar                  | 100 mbar          |
| 0...700 bar                  | 200 mbar          |

## Technical data

| Functions                                 |                              |   |
|---|------------------------------|---|
| Type                                      | E-Ex                         | D-Ex  |
| Adjustment options                        |                              |   |
| Linearisation                             |                              |   |
| Tare / Zero                               | ✓                            | ✓   |
| Selectable units                          |                              |   |
| Pressure                                  | bar                          | bar, mbar, hPa, kPa, MPa, PSI, kp/cm <sup>2</sup> |
| Temperature                               |                              |   |
| Features                                  |                              |   |
| Measuring inputs                          | 1 x direct                   |   |
| PC connection                             |                              |   |
| Analogue output                           |                              |   |
| Built-in version                          |                              |   |
| Explosion protection                      | Ex II 1G EEx ia II C T5 / T6 |   |
| Version free of oil and grease (optional) | ✓ (< 200 bar)                |   |
| Data memory                               |                              |   |
| Number of memories                        |                              |   |
| Recording interval                        |                              |   |
| Recording duration                        |                              |   |
| Data sets                                 |                              |   |
| Display / Representation                  |                              |   |
| Multi-functional LCD                      | 4 digit                      |   |
| Bargraph                                  |                              |   |
| Illumination                              |                              |   |
| Display filter                            |                              |   |
| Min / max value                           | ✓                            |   |
| Measuring rate                            |                              |   |
| Standard                                  | 500 ms                       |   |
| Peak / Fast                               |                              |   |
| Process connection                        |                              |   |
| Connection options                        | G1/4 / H16 UNF               |   |
| Material                                  | 1.0718 zinc-plated / 1.4435  |   |
| Medium temperature                        | 0...50 °C                    | 32...122 °F                                       |
| For aggressive media                      | ✓                            |   |
| Housing                                   |                              |   |
| Degree of protection                      | IP65 (front) / IP65          |   |
| Dimension                                 | Ø 70 mm T=30 mm H=100 mm     |   |
| Material                                  | ABS plastic                  |   |
| Operating temperature                     | 0...50 °C                    | 32...122 °F                                       |
| Weight                                    | 130 g                        | 0.29 lbs.   |
| Power                                     |                              |   |
| Auto-off function                         | ✓                            |   |
| Battery type                              | 1 x 3V CR                    |   |
| Ext. power                                |                              |   |
| Battery operation                         | 1000 h                       |   |
| Certificates (optional)                   |                              |   |
| DAkkS certificate                         |                              |   |
| SIKA works certificate                    |                              |   |

## Type E2, D2

### Type E2, D2



#### Type E2 / D2

| Accuracy (full scale) |                | E2 0.5 %   |         | D2 0.1 % |         |
|-----------------------|----------------|------------|---------|----------|---------|
| Pressure range        |                | Resolution |         |          |         |
| -1...3 bar            | -14...43.5 psi | 1 mbar     | 0.1 psi | 1 mbar   | 0.1 psi |
| -1...40 bar           | -14...580 psi  | 10 mbar    | 1 psi   | 10 mbar  | 1 psi   |
| -1...60 bar           | -14...870 psi  | 10 mbar    | 1 psi   | 10 mbar  | 1 psi   |
| 0...400 bar           | 0...5800 psi   | 100 mbar   | 1 psi   | 100 mbar | 1 psi   |
| 0...700 bar           | 0...10 000 psi | 100 mbar   | 1 psi   | 100 mbar | 1 psi   |
| 0...1000 bar          | 0...14 500 psi | 100 mbar   | 1 psi   | 100 mbar | 1 psi   |

## Technical data

| Functions                |   |
|--------------------------|---|
| Type                     | E2 / D2   |
| Adjustment options       |   |
| Linearisation            |   |
| Tare / Zero              | ✓   |
| Selectable units         |   |
| Pressure                 | bar, mbar, kPa, MPa, PSI, kg/cm <sup>2</sup> , mH2O |
| Temperature              |   |
| Features                 |   |
| Measuring inputs         | 1 x direct  |
| PC connection (optional) |   |
| Analogue output          |   |
| Built-in version         |   |
| Explosion protection     |   |
| Data memory              |   |
| Number of memories       |   |
| Recording interval       |   |
| Recording duration       |   |
| Data sets                |   |
| Display / Representation |   |
| Multi-functional LCD     | 4 ½ digit   |
| Bargraph                 | ✓   |
| Illumination             | ✓   |
| Display filter           | ✓   |
| Min / max value          | ✓   |
| Measuring rate           |   |
| Standard                 | 10 ms   |
| Peak / Fast              | 10 ms   |
| Process connection       |   |
| Connection options       | G1/4  |
| Material                 | 1.4404  |
| Medium temperature       | -20...80 °C   |
| For aggressive media     | ✓   |
|                          | -4...176 °F   |
| Housing                  |   |
| Degree of protection     | IP67 (front) / IP67                                 |
| Dimension                | Ø 80 mm<br>T=30 mm H=100 mm                         |
| Material                 | Zinc casting  |
| Operating temperature    | 0...50 °C   |
| Weight                   | 540 g   |
|                          | 32...122 °F   |
|                          | 1.2 lbs.  |
| Power                    |   |
| Auto-off function        | ✓   |
| Battery type             | 2x 1.5 V AA   |
| Ext. power (optional)    |   |
| Battery operation        | 1500 h  |
| Certificates (optional)  |   |
| DAkkS certificate        |   |
| SIKA works certificate   |   |

## Type J

### Type J



#### Type J

| Accuracy (full scale) | 0.2 %              |          |           |
|-----------------------|--------------------|----------|-----------|
| Pressure range*       | Resolution         |          |           |
| 0...100 mbar          | 0...1.45 psi       | 0.1 mbar | 0.001 psi |
| 0...250 mbar          | 0...3.63 psi       | 0.1 mbar | 0.001 psi |
| 0...500 mbar          | 0...7.25 psi       | 0.1 mbar | 0.001 psi |
| -1...1 bar            | -14.5...14.5 psi   | 1 mbar   | 0.01 psi  |
| -1...2.5 bar          | -14.5...36.26 psi  | 1 mbar   | 0.01 psi  |
| -1...5 bar            | -14.5...72.52 psi  | 1 mbar   | 0.01 psi  |
| -1...10 bar           | -14.5...145 psi    | 10 mbar  | 0.1 psi   |
| -1...20 bar           | -14.5...290.08 psi | 10 mbar  | 0.1 psi   |
| -1...40 bar           | -14.5...580.15 psi | 10 mbar  | 0.1 psi   |
| -1...60 bar           | -14.5...870.23 psi | 10 mbar  | 0.1 psi   |
| 0...100 bar           | 0...1450.38 psi    | 100 mbar | 1 psi     |
| 0...250 bar           | 0...3626 psi       | 100 mbar | 1 psi     |
| 0...350 bar           | 0...5076.32 psi    | 100 mbar | 1 psi     |
| 0...500 bar           | 0...7251.88 psi    | 100 mbar | 1 psi     |
| 0...700 bar           | 0...10152.64 psi   | 100 mbar | 1 psi     |
| 0...1000 bar          | 0...14503.77 psi   | 1 bar    | 10 psi    |
| 0...1500 bar          | 0...21755.66 psi   | 1 bar    | 10 psi    |
| 0...2000 bar          | 0...29007.54 psi   | 1 bar    | 10 psi    |

\* Other measuring ranges on request.

## Technical data

| Functions                       |  |             |
|---------------------------------|--|-------------|
| Type                            | J  |             |
| Adjustment options              |  |             |
| Linearisation                   | 6 points   |             |
| Tare / Zero                     | ✓  |             |
| Selectable units                |  |             |
| Pressure                        | bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH <sub>2</sub> O, mH <sub>2</sub> O, inH <sub>2</sub> O, kg/cm <sup>2</sup> |             |
| Temperature                     | °C, °F   |             |
| Features                        |  |             |
| Measuring inputs                | 1 x direct   |             |
| PC connection (optional)        | USB (B)  |             |
| Analogue output                 |  |             |
| Built-in version (optional)     |  |             |
| Explosion protection (optional) |  |             |
| Data memory                     |  |             |
| Number of memories              | 60.000 values (auto)   |             |
| Recording interval              | 1 s...10 h   |             |
| Recording duration              | 1 min...1000 h   |             |
| Data sets                       | Pressure / Temperature   |             |
| Display / Representation        |  |             |
| Multi-functional LCD            | 5 digit  |             |
| Bargraph                        | ✓  |             |
| Illumination                    | ✓  |             |
| Display filter                  | ✓  |             |
| Min/max value                   | ✓  |             |
| Measuring rate                  |  |             |
| Standard                        | 100 ms   |             |
| Peak / Fast                     |  |             |
| Process connection              |  |             |
| Connection options              | G½   |             |
| Material                        | 1.4542   |             |
| Medium temperature              | -10...70 °C  | 14...158 °F |
| For aggressive media            | ✓  |             |
| Housing                         |  |             |
| Degree of protection            | IP65 (front) / IP40  |             |
| Dimension                       | 86 x 86 mm<br>T=40 mm H=135 mm   |             |
| Material                        | Aluminium  |             |
| Operating temperature           | -10...70 °C  | 14...158 °F |
| Weight                          | 900 g  | 1.98 lbs.   |
| Power                           |  |             |
| Auto-off function               | ✓  |             |
| Battery type                    | internal accu  |             |
| Ext. power (optional)           | USB  |             |
| Battery operation               | 2000 h   |             |
| Certificates (optional)         |  |             |
| DAkkS certificate               |  |             |
| SIKA works certificate          |  |             |

## Type P

### Type P



### Type P

| Accuracy [full scale] |                    | 0.5 %      |          | 0.2 %    |           | 0.05 %   |          | 0.025 %  |         |
|-----------------------|--------------------|------------|----------|----------|-----------|----------|----------|----------|---------|
| Pressure range*       |                    | Resolution |          |          |           |          |          |          |         |
| 0...500 mbar          | 0...7.25 psi       | 1 mbar     | 0.01 psi | 0.1 mbar | 0.001 psi | 0.1 mbar | 0.01 psi |          |         |
| -1...1 bar            | -14.5...14.5 psi   | 1 mbar     | 0.01 psi | 1 mbar   | 0.01 psi  | 0.1 mbar | 0.01 psi |          |         |
| -1...2.5 bar          | -14.5...36.26 psi  | 1 mbar     | 0.01 psi | 1 mbar   | 0.01 psi  | 0.5 mbar | 0.01 psi |          |         |
| -1...5 bar            | -14.5...72.52 psi  | 1 mbar     | 0.01 psi | 1 mbar   | 0.01 psi  | 0.5 mbar | 0.01 psi |          |         |
| -1...10 bar           | -14.5...145 psi    | 10 mbar    | 0.1 psi  | 10 mbar  | 0.1 psi   | 1 mbar   | 0.1 psi  | 1 mbar   | 0.1 psi |
| -1...20 bar           | -14.5...290.08 psi | 10 mbar    | 0.1 psi  | 10 mbar  | 0.1 psi   | 2 mbar   | 0.1 psi  | 2 mbar   | 0.1 psi |
| -1...40 bar           | -14.5...580.15 psi | 10 mbar    | 0.1 psi  | 10 mbar  | 0.1 psi   | 5 mbar   | 0.1 psi  | 5 mbar   | 0.1 psi |
| -1...60 bar           | -14.5...870.23 psi | 10 mbar    | 0.1 psi  | 10 mbar  | 0.1 psi   | 5 mbar   | 0.1 psi  | 5 mbar   | 0.1 psi |
| 0...100 bar           | 0...1450.38 psi    | 100 mbar   | 1 psi    | 100 mbar | 1 psi     | 10 mbar  | 1 psi    | 10 mbar  | 1 psi   |
| 0...250 bar           | 0...3626 psi       | 100 mbar   | 1 psi    | 100 mbar | 1 psi     | 20 mbar  | 1 psi    | 20 mbar  | 1 psi   |
| 0...350 bar           | 0...5076.32 psi    | 100 mbar   | 1 psi    | 100 mbar | 1 psi     | 50 mbar  | 1 psi    | 50 mbar  | 1 psi   |
| 0...500 bar           | 0...7251.88 psi    | 100 mbar   | 1 psi    | 100 mbar | 1 psi     | 50 mbar  | 1 psi    | 50 mbar  | 1 psi   |
| 0...700 bar           | 0...10152.64 psi   | 100 mbar   | 1 psi    | 100 mbar | 1 psi     | 50 mbar  | 1 psi    | 50 mbar  | 1 psi   |
| 0...1000 bar          | 0...14503.77 psi   | 1 bar      | 10 psi   | 1 bar    | 10 psi    | 100 mbar | 10 psi   | 100 mbar | 10 psi  |
| 0...1500 bar          | 0...21755.66 psi   | 1 bar      | 10 psi   | 1 bar    | 10 psi    | 200 mbar | 10 psi   | 200 mbar | 10 psi  |
| 0...2000 bar          | 0...29007.54 psi   | 1 bar      | 10 psi   | 1 bar    | 10 psi    | 500 mbar | 10 psi   | 500 mbar | 10 psi  |
| 0...2500 bar          | 0...36259.42 psi   | 1 bar      | 10 psi   | 1 bar    | 10 psi    |          |          |          |         |

\* Other measuring ranges on request.

## Technical data

| Functions                       |   |             |
|---------------------------------|---|-------------|
| Type                            | P   |             |
| Adjustment options              |   |             |
| Linearisation                   | 6 points  |             |
| Tare / Zero                     | ✓   |             |
| Selectable units                |   |             |
| Pressure                        | bar, mbar, kPa, MPa, PSI                            |             |
| Temperature                     |   |             |
| Features                        |   |             |
| Measuring inputs                | 1 x direct  |             |
| PC connection (optional)        | RS232   |             |
| Analogue output                 |   |             |
| Built-in version (optional)     | ✓   |             |
| Explosion protection (optional) |   |             |
| Data memory                     |   |             |
| Number of memories              |   |             |
| Recording interval              |   |             |
| Recording duration              |   |             |
| Data sets                       |   |             |
| Display / Representation        |   |             |
| Multi-functional LCD            | 4 digit (0.5 % / 0.2 %), 5 digit (0.05 % / 0.025 %) |             |
| Bargraph                        | ✓   |             |
| Illumination                    |   |             |
| Display filter                  | ✓   |             |
| Min/max value                   | ✓   |             |
| Measuring rate                  |   |             |
| Standard                        | 100 ms  |             |
| Peak / Fast                     |   |             |
| Process connection              |   |             |
| Connection options              | G½  |             |
| Material                        | 1.4542  |             |
| Medium temperature              | 0...50 °C   | 32...122 °F |
| For aggressive media            | ✓   |             |
| Housing                         |   |             |
| Degree of protection            | IP65 (front) / IP40                                 |             |
| Dimension                       | 86 x 86 mm<br>T=40 mm H=135 mm                      |             |
| Material                        | Aluminium   |             |
| Operating temperature           | 0...50 °C   | 32...122 °F |
| Weight                          | 900 g   | 1.98 lbs.   |
| Power                           |   |             |
| Auto-off function               | ✓   |             |
| Battery type                    | 2x 1.5 V AAA  |             |
| Ext. power (optional)           | 24 VDC  |             |
| Battery operation               | 8000 h  |             |
| Certificates (optional)         |   |             |
| DAkkS certificate               |   |             |
| SIKA works certificate          |   |             |

## Type Q, L

**Type Q**



**Type L**



**Type Q**

|                              |                   |
|------------------------------|-------------------|
| <b>Accuracy [full scale]</b> | 0.2 %             |
| <b>Pressure range**</b>      | <b>Resolution</b> |
| -1...1 bar                   | 1 mbar            |
| -1...2.5 bar                 | 1 mbar            |
| -1...5 bar                   | 1 mbar            |
| -1...10 bar                  | 10 mbar           |
| -1...20 bar                  | 10 mbar           |
| -1...40 bar                  | 10 mbar           |
| -1...60 bar                  | 10 mbar           |
| 0...100 bar                  | 100 mbar          |
| 0...250 bar                  | 100 mbar          |
| 0...350 bar                  | 100 mbar          |
| 0...500 bar                  | 100 mbar          |
| 0...700 bar                  | 100 mbar          |
| 0...1000 bar                 | 1 bar             |
| 0...1500 bar                 | 1 bar             |
| 0...2000 bar                 | 1 bar             |
| 0...2500 bar                 | 1 bar             |

**Type L**

|                              |                    |          |          |
|------------------------------|--------------------|----------|----------|
| <b>Accuracy [full scale]</b> | 0.05 %             | 0.025 %* | 0.01 %*  |
| <b>Pressure range</b>        | <b>Resolution</b>  |          |          |
| -1...2 bar                   | -14.5...29 psi     | 0.1 mbar | 0.01 psi |
| -1...10 bar                  | -14.5...145 psi    | 1 mbar   | 0.1 psi  |
| -1...20 bar                  | -14.5...290.08 psi | 1 mbar   | 0.1 psi  |
| 0...200 bar                  | 0...2900.75 psi    | 10 mbar  | 1 psi    |
| 0...400 bar                  | 0...5801.51 psi    | 50 mbar  | 1 psi    |
| 0...700 bar                  | 0...10152.64 psi   | 100 mbar | 1 psi    |
| 0...1000 bar                 | 0...14503.77 psi   | 100 mbar | 10 psi   |

\* Precision declaration

\*\* Other measuring ranges on request.

## Technical data

| Functions                       |                        |  |
|---------------------------------|------------------------|--|
| Type                            | Q                      | L  |
| Adjustment options              |                        |  |
| Linearisation                   | 6 points               |  |
| Tare / Zero                     | ✓                      | ✓  |
| Selectable units                |                        |  |
| Pressure                        | bar                    | bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH2O, mH2O, inH2O, ftH2O, Kp/cm <sup>2</sup> |
| Features                        |                        |  |
| Measuring inputs                | 1 x direct             | 1 x direct   |
| PC connection                   | RS232 (optional)       | RS 485   |
| Analogue output (optional)      | 0(4)...20mA / 0...10 V |  |
| Relay output                    | 2 x 24 VDC/1A          |  |
| Built-in version (optional)     | ✓                      |  |
| Explosion protection (optional) |                        | Ex II 2G Ex ia II C T6   |
| Data memory                     |                        |  |
| Number of memories              |                        |  |
| Recording interval              |                        |  |
| Recording duration              |                        |  |
| Data sets                       |                        |  |
| Display / Representation        |                        |  |
| Multi-functional LCD/LED        | 4 digit, 7-segment LED | 5 digit  |
| Bargraph                        |                        |  |
| Illumination                    | red LED                |  |
| Display filter                  | ✓                      |  |
| Min/max value                   | ✓                      | ✓  |
| Measuring rate                  |                        |  |
| Standard                        | 16 ms                  | 500 ms   |
| Peak / Fast                     |                        |  |
| Process connection              |                        |  |
| Connection options              | G½                     | G¼   |
| Material                        | 1.4542                 | 1.4435   |
| Medium temperature              | 0...50 °C              | 0...50 °C  |
| For aggressive media            | ✓                      | ✓  |
| Housing                         |                        |  |
| Degree of protection            | IP65 (front) / IP40    | IP65 (front) / IP54  |
| Dimension                       | 86 x 86 mm             | Ø 80 mm  |
|                                 | T=40 mm H=135 mm       | T=40 mm H=120 mm   |
| Material                        | Aluminium              | ABS plastic  |
| Operating temperature           | 32...122 °F            | 0...50 °C  |
| Weight                          | 900 g                  | 210 g  |
|                                 | 1.98 lbs.              | 0.46 lbs.  |
| Power                           |                        |  |
| Auto-off function               | ✓                      | ✓  |
| Battery type                    |                        | 1x 3 VCR   |
| Ext. power                      | 24 VDC                 |  |
| Battery operation               |                        | 2000 h   |
| Certificates (optional)         |                        |  |
| DAkkS certificate               |                        |  |
| SIKA works certificate          |                        |  |

## Overview digital precision pressure gauges

|                               | BASIC        |             |             |              |  |
|-------------------------------|--------------|-------------|-------------|--------------|--|
|                               | E-Ex         | E2          | D-Ex        | D2           |  |
| <b>Accuracy (full scale)</b>  | 0.5 %        | 0.5 %       | 0.1 %       | 0.1 %        |  |
| <b>Pressure range</b>         |              |             |             |              |  |
|                               | -1...3 bar   | -1...3 bar  | -1...3 bar  | -1...3 bar   |  |
|                               | -1...30 bar  | -1...40 bar | -1...30 bar | -1...40 bar  |  |
|                               | -1...60 bar  | -1...60 bar | -1...60 bar | -1...60 bar  |  |
|                               | 0...300 bar  | 0...400 bar | 0...300 bar | 0...400 bar  |  |
|                               | 0...700 bar  | 0...700 bar | 0...700 bar | 0...700 bar  |  |
|                               | 0...1000 bar |             |             | 0...1000 bar |  |
| <b>Multi-point adjustment</b> |              |             |             |              |  |
| <b>PC connection</b>          |              |             |             |              |  |
| <b>Data memory</b>            |              |             |             |              |  |
| <b>Analogue output</b>        |              |             |             |              |  |
| <b>Relais output</b>          |              |             |             |              |  |
| <b>Temperature indication</b> |              |             |             |              |  |
| <b>Built-in version</b>       |              |             |             |              |  |
| <b>Ex version</b>             | ✓            |             | ✓           |              |  |
| <b>Oil and grease free</b>    | ○            |             | ○           |              |  |

○ = optionally available

| SOLID  | P   | Q   | PREMIUM  |
|--|---|---|--|
| J  | P   | Q   | L  |
| 0.2 %  | 0.5 %<br>0.2 %<br>0.05 %<br>0.025 %   | 0.2 %   | 0.05 %<br>0.025 %<br>0.01 %  |
| 0...100 mbar<br>0...250 mbar<br>0...500 mbar<br>-1...1 bar<br><br>-1...2.5 bar<br><br>-1...5 bar | 0...500 mbar<br>-1...1 bar<br><br>-1...2.5 bar<br><br>-1...5 bar                    | -1...1 bar<br><br>-1...2.5 bar<br><br>-1...5 bar                                    | -1...2 bar   |
| -1...10 bar<br>-1...20 bar<br>-1...40 bar<br>-1...60 bar   | -1...10 bar<br>-1...20 bar<br>-1...40 bar<br>-1...60 bar                            | -1...10 bar<br>-1...20 bar<br>-1...40 bar<br>-1...60 bar                            | -1...10 bar<br>-1...20 bar   |
| 0...100 bar<br><br>0...250 bar<br>0...350 bar<br><br>0...500 bar<br><br>0...700 bar              | 0...100 bar<br><br>0...250 bar<br>0...350 bar<br><br>0...500 bar<br><br>0...700 bar | 0...100 bar<br><br>0...250 bar<br>0...350 bar<br><br>0...500 bar<br><br>0...700 bar | 0...100 bar<br><br>0...200 bar<br><br>0...400 bar<br><br>0...700 bar |
| 0...1000 bar<br>0...1500 bar<br>0...2000 bar   | 0...1000 bar<br>0...1500 bar<br>0...2000 bar<br>0...2500 bar                        | 0...1000 bar<br>0...1500 bar<br>0...2000 bar  | 0...1000 bar   |
| ✓  | ✓   | ✓   |  |
| ○  | ○   | ○   | ✓  |
| ✓  |   |   |  |
|  | ○   | ○   |  |
|  | ○   | ✓   |  |
| ✓  | ✓   |   |  |
| ○  | ○   | ○   |  |
|  |   |   | ○  |
|  |   |   | ○  |



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