



Digital pressure gauges

Compact. Mobile. Reliable.

WIKAI

Smart in sensing

Testing operating pressures easier than ever

Temporary, stationary, permanent – digital pressure gauges are particularly versatile. This makes them powerful all-rounders in any industry.



✔ Leak/pressure-drop testing

To reliably detect leaks, tanks and pipes can be pressurised before initial installation or after a service. The measured data in the data logger shows whether pressure is being lost. With the help of WIKA-Cal Log, the data can be analysed and digitally saved.

✔ Testing of overpressure protectors

Due to their fast measuring rates and high display accuracy, digital pressure gauges can be used to test overpressure protectors or set them to the correct value.

✔ Checking/calibration of measuring instruments

The compact instrument design enables convenient on-site testing of measuring instruments for accuracy – even in potentially-explosive atmospheres, thanks to ATEX approval.

✔ Pressure tests

Pressure tests can be fully documented and changes in pressure over time recognised using a data logger. Simple determination of burst pressures or maximum test pressures can be carried out using the MIN/MAX function.

✔ Setting/checking of pressure switches

Thanks to their particularly high accuracy, digital pressure gauges provide exact reference values for the initial setting or checking of switch points on pressure switches.

✔ Checking of hydraulic operating pressures

The CPG1200 and CPG1500 can be used flexibly to determine pressures on site – for example in cooling circuits of wind turbines or other hydraulic circuits.

✔ Mobile monitoring of tanks during transport

The transport of sensitive substances must be strictly monitored. Alarm functions and data loggers allow for reliable mobile documentation of tanks to ensure safety at all times.



Digital is better

In contrast to analogue solutions for pressure measurement, our CPG1200 and CPG1500 mobile instruments are based on digital measurement technology. This enables particularly accurate pressure measurements with maximum reliability. The digital functionalities extend the range of applications and increase convenience in daily tasks.

High measuring rate

In order to detect pressure peaks and rapid pressure changes reliably, the measuring rate can be increased to up to 50 measurements per second if required.

Physical connection

In addition to data transmission, the USB interface can also be used as a permanent power supply for stationary, continuous operation.

Alarm function

If previously defined limit values are exceeded or dropped below, a warning is sent to the system and shown on the display.

Wireless data transmission

The digital pressure gauges have an optional Bluetooth® interface. This allows measured values to be called up in real time or instruments to be configured via the myWIKA device app using a smartphone or tablet.

Robust design

Thanks to an ingress protection of IP65, the digital pressure gauges are safely protected from dust and water. A protective case cover ensures even greater resilience in the event of impact.

Long battery life

Depending on the operating mode and model, the digital pressure gauges can be used for up to 4,000 hours in battery mode without an external power supply.

MIN/MAX value memory

The MIN/MAX function automatically saves the maximum and minimum pressures immediately and can be read out after a measurement for further analysis.

Data logger

Optionally, up to 1 million data points can be recorded and saved with a data logger in the instrument itself – for example, when the instrument is mobile and in use without a data connection present.

Two for all cases – digital pressure gauges



Compact all-rounder for everyday measurement



Extremely robust and very accurate

	CPG1200	CPG1500
Accuracy	0.5 % FS*	0.1 % FS**
Interfaces		
Micro-USB	present	not available
Bluetooth	optional	optional
Data logger		
1 million data points	optional	optional
Pressure ranges	-1 ... 1,000 bar	-1 ... 10,000 bar
Case	Plastic	Aluminium die-casting
Features	MIN/MAX value memory, alarm	MIN/MAX value memory, alarm
ATEX	optional	optional
Languages	EN, DE, FR, ES, PL, RU	EN, DE, FR, ES, PL, RU
Process connection	G ½, G ¼, G ⅛, ¼ NPT	G ½, G ¼, G ⅛, ¼ NPT, flush connections and many more
Diaphragm seal assembly	optional	optional

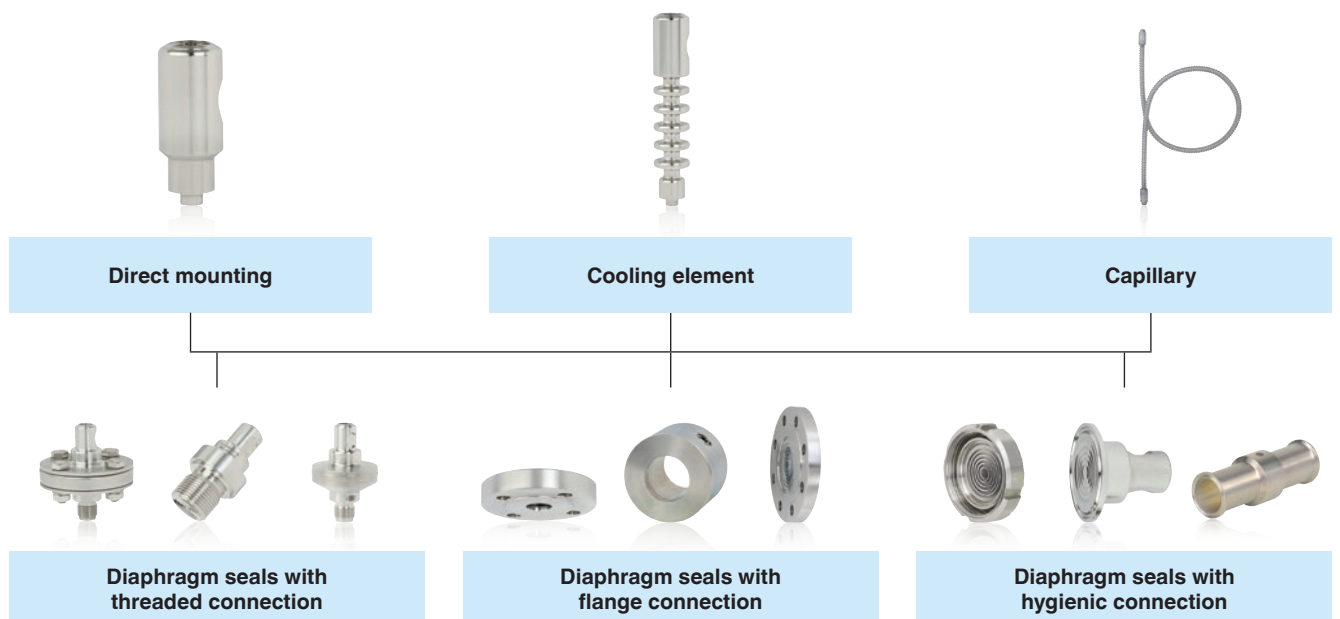
* optionally 0.25 % FS ** optionally 0.05 % FS or 0.025 % FS

The optimal connection to every process

Demanding process conditions often require specific process connections. With a wide range of diaphragm seals, the digital pressure gauges can be used for almost any measuring situation.

If the substances to be measured are aggressive, corrosive, toxic or crystallising, direct contact can impair the reliability and service life of the digital pressure gauge. The solution: a diaphragm seal that transmits the process pressure via a diaphragm and a system fill fluid.

This means that the digital pressure gauge and the medium do not come into direct contact. A wide range of diaphragm seals, specially adapted to the respective application, can withstand the most demanding substances and are highly reliable, even at temperatures of up to 400 °C and pressures of up to 3,600 bar.



From raw data come insights

In order to realise a convenient workflow, the myWIKA device app, WIKA-Cal and also WIKA-DCS software solutions offer multiple possibilities for the processing of logger data.

myWIKA device app (for CPG1200)

With the myWIKA device app, digital pressure gauges can be conveniently configured for calibration and logging tasks using mobile devices via Bluetooth.

- Configuration, control and saving of log procedures via a mobile device
- Direct display of pressure values during pressure measurement
- View and check other parameters such as temperature or the rate of pressure change
- Retrieval of detailed instrument information
- Fully-compatible with WIKA-Cal

WIKA-Cal

With the intuitive WIKA-Cal calibration software, logger protocols and calibration certificates for mechanical and electronic pressure measuring instruments can be issued easily, reliably and quickly.

- Creation of logger protocols via the Log template
- Creation of calibration certificates via the Cal template
- Calibration of gauge pressure measuring instruments with absolute pressure references and vice versa

WIKA-DCS

The WIKA-DCS configuration software, with the help of its clear user interface, offers an uncomplicated software solution for configuring the digital pressure gauges.

- Retrieval of detailed instrument information
- Configuration, control and export of log procedures
- Carrying out firmware updates



Everything you need – for a successful measurement

For maximum convenience with mobile pressure testing and calibration, we offer complete service kits. We assemble these individually based on your needs.

Measuring cases

Your digital pressure gauge and accessories are safely stored in our measuring cases.



DMK1200

Case with CPG1200 digital pressure gauge



DTK1X00

Case with CPG1200 or CPG1500 digital pressure gauge and pneumatic or hydraulic hand test pump

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You can find further
information here!



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