

Measuring case Incl. digital pressure gauge model CPG1200 Model DMK1200

WIKA data sheet CT 93.04

Applications

- Calibration service companies and service industry
- Calibrations directly on-site
- Maintenance and service facilities
- Pressure test

Special features

- Simple data transmission via USB interface
- Optional data logger for up to 1 million data points
- Ergonomic handling
- Compact dimensions and low weight



Measuring case, model DMK1200

Description

As a supplement to the individual instrument CPG1200, the digital pressure gauge is also available as a part of a measuring case. According to customer requirements, the measuring cases are assembled in different versions. All measuring cases are delivered in a handy case with individually adapted foam inserts.

Application areas

With the measuring case, service and maintenance are more complete, safer and more flexible. The measuring case is high-quality finish, handy and robust and is also suitable for service use. Both connection sets contain various test couplings for adapting to WIKA calibration instruments to existing processes with quick-release couplings series MINIMESS® 1620 or MINIMESS® 1215.

Two connection sets for different systems

In practice, one often finds the 1620 and 1215 series test couplings.

The numbers represent the thread sizes of the test coupling: 1620 stands for the thread size M16 x 2 and 1215 for the thread size M12 x 1.5.

For this reason, WIKA offers one connection set for each of both systems.

MINIMESS® is a registered trademark of Hydrotechnik GmbH in various countries.

Specifications

Digital pressure gauge CPG1200	
Pressure range	<ul style="list-style-type: none"> ■ -1 ... 9 bar ■ -1 ... 15 bar ■ 0 ... 100 bar ■ 0 ... 400 bar ■ 0 ... 600 bar
Accuracy ¹⁾	0.5 % FS ^{2) 3)}
Connection location	Vertical mounting position, process connection lower mount
Process connection	G ¼
Pressure adapters	<ul style="list-style-type: none"> ■ Minimes 1620 ■ Minimes 1215
Data logger	<ul style="list-style-type: none"> ■ Without ■ Integrated data logger (can also be activated subsequently via an activation code)
Approval	Standard - Not permitted to be used in hazardous areas!
Further specifications	→ See data sheet CT 10.20

1) Including non-linearity, hysteresis, zero point offset and end value deviation (corresponds to measured error per IEC 61298-2).

2) FS = Full span = end of measuring range - start of measuring range

3) Always with 3.1 inspection certificate per EN 10204 (factory calibration)

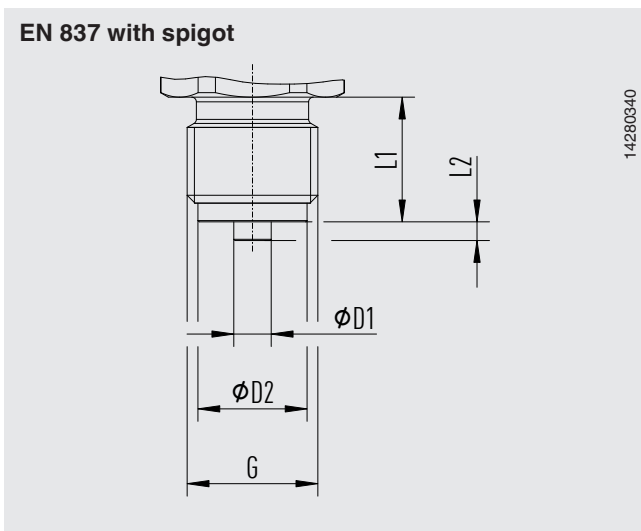
Certificates

Certificates	
Calibration ¹⁾	<ul style="list-style-type: none"> ■ Without ■ 3.1 inspection certificate per DIN EN 10204 ■ DAkkS calibration certificate (traceable and accredited in accordance with ISO/IEC 17025)
Recommended calibration interval	1 year (dependent on conditions of use)

1) Calibrated in vertical mounting position with process connection facing downwards

→ For approvals and certificates, see website

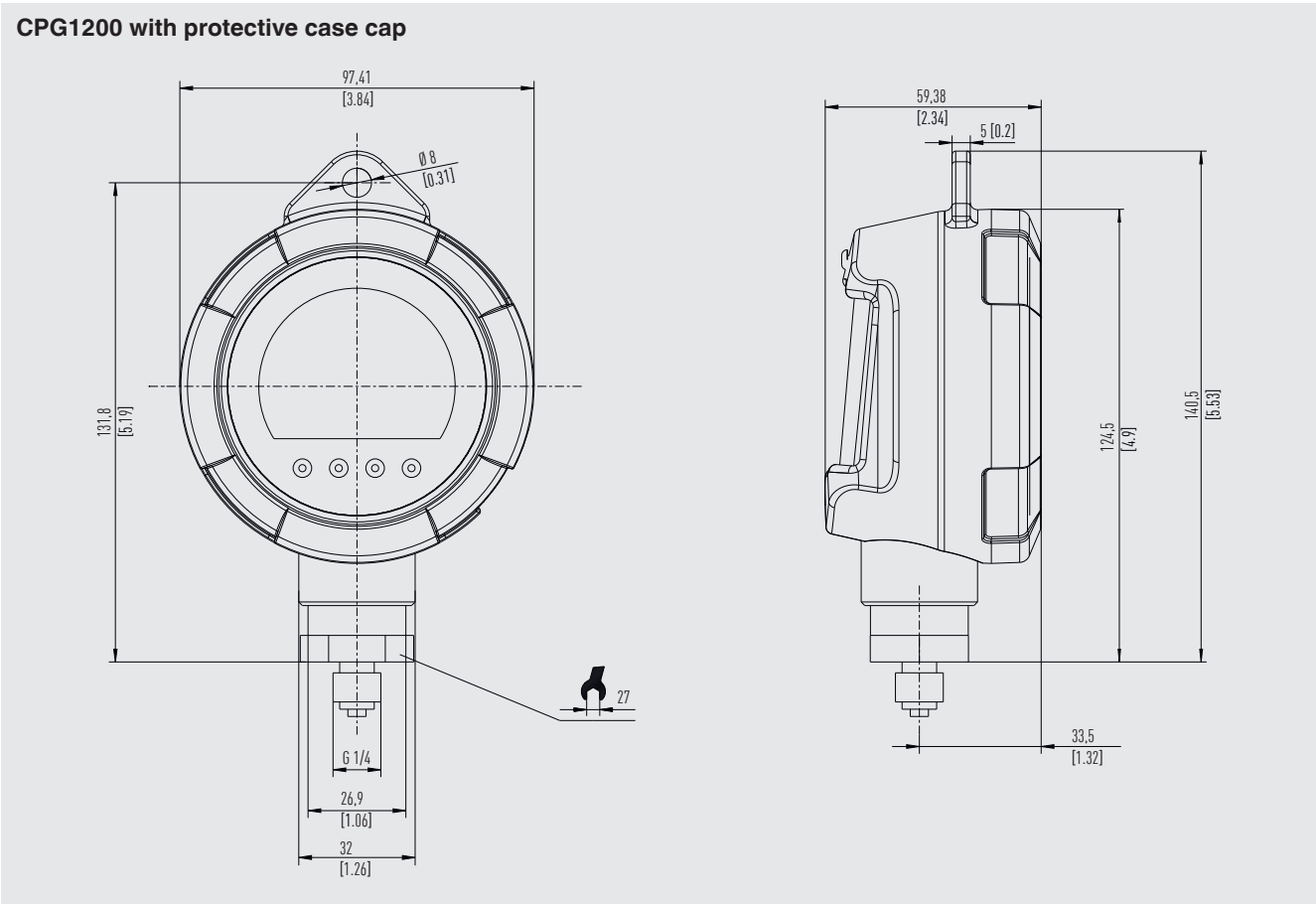
Process connection



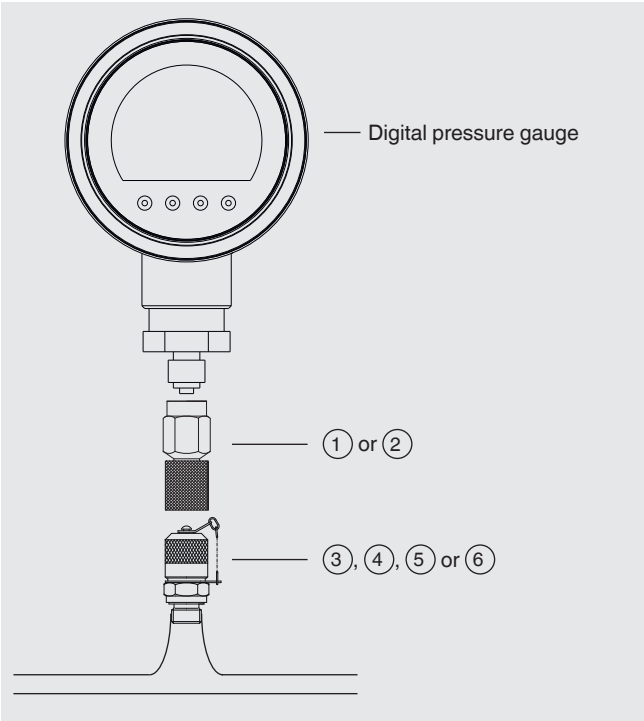
G	L1	L2	D1	D2	ASL
G ¼ B	13 [0.51]	2 [0.08]	5 [0.19]	9.5 [0.374]	013

Other connection adapters are available on request.

Dimensions in mm [in]



Application example:
Direct connection of a digital pressure gauge



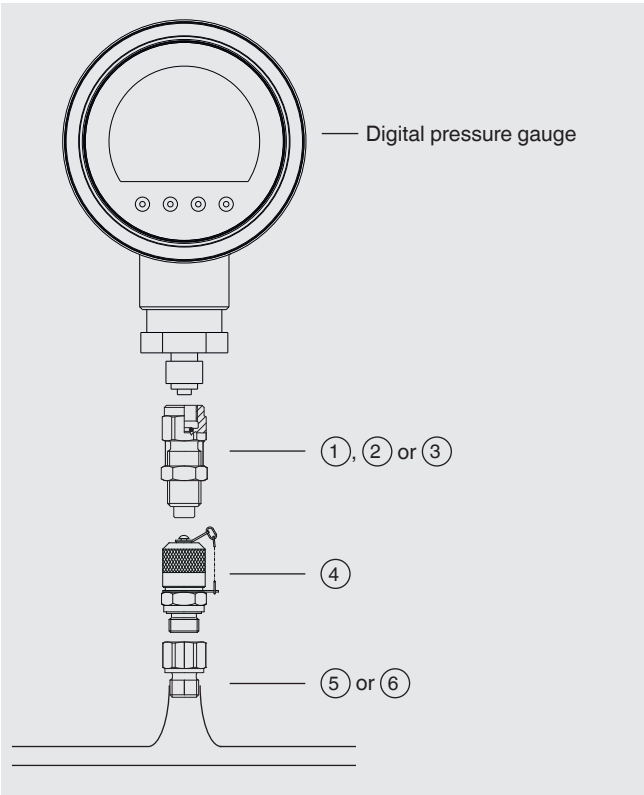
Requirements

- Digital pressure gauge with G ½, G ¼ or ¼ NPT male thread
- Process connection with a G ¼, G ⅜ or ¼ NPT female thread

⇒ Corresponding adapters are available in the WIKA accessories.

No.	Description
①	Direct connection for measuring instrument G ½, female thread
②	Direct connection for measuring instrument ¼ NPT, female thread
③	Test coupling ISO 228-G ¼, male thread
④	Test coupling ISO 228-G ⅜, male thread
⑤	Test coupling ¼ NPTF, male thread
⑥	Test coupling M10 x 1, male thread

Application example:
Direct connection of the digital pressure gauge and reducer



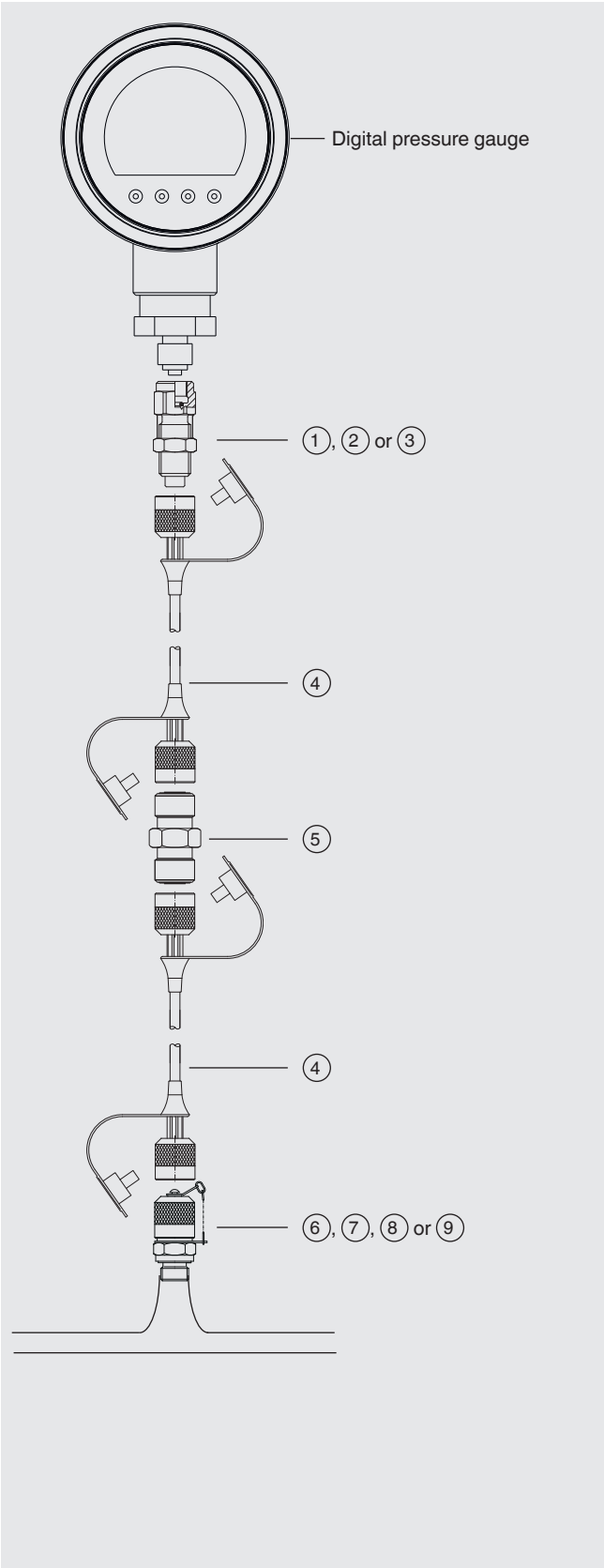
Requirements

- Digital pressure gauge with a G ½ or ¼ NPT male thread
- Process connection with a G ½ or G ⅜ female thread

⇒ Corresponding adapters are available in the WIKA accessories.

No.	Description
①	Pressure gauge connection ISO 228-G ½, male thread
②	Pressure gauge connection ISO 228-G ¼, male thread
③	Pressure gauge connection ¼ NPT, female thread
④	Test coupling M10 x 1, male thread
⑤	Reduction nozzle G ½, male thread to M10 x 1, female thread
⑥	Reduction nozzle G ⅜, male thread to M10 x 1, female thread

Application example:
Connection of a pressure measuring instrument with measuring hose



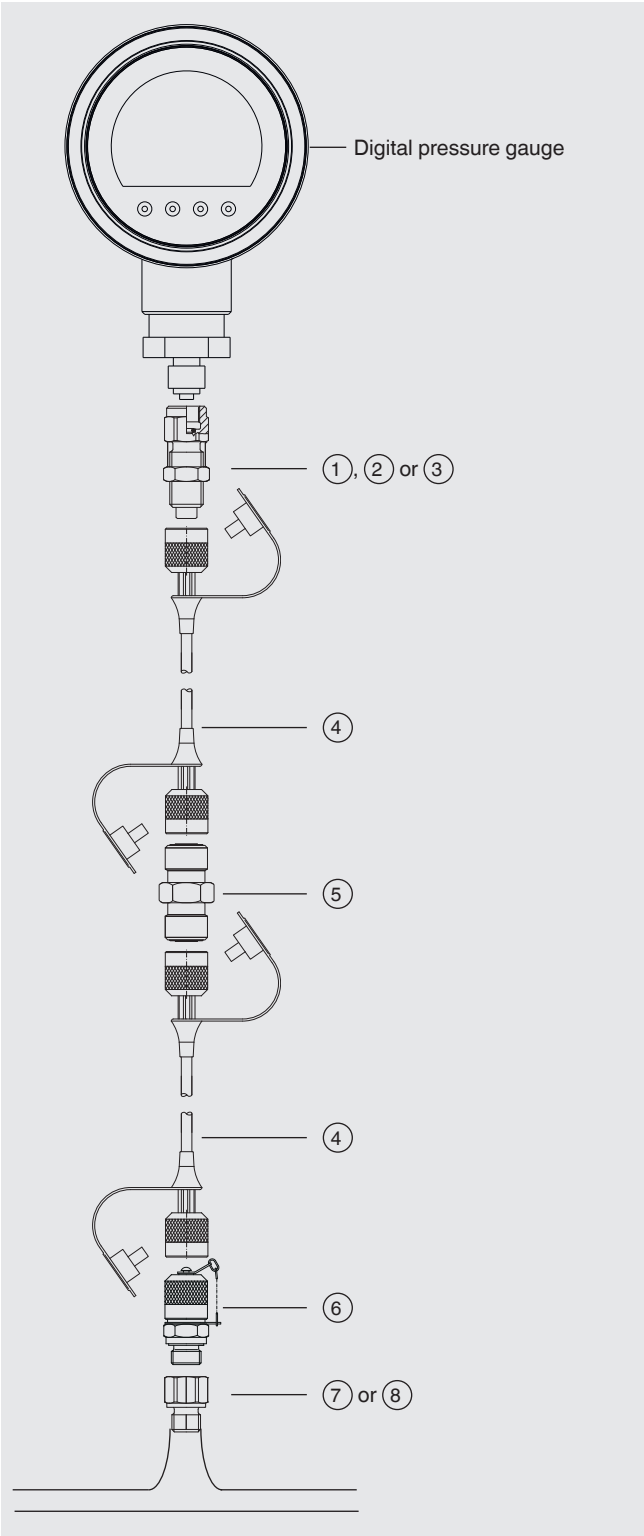
Requirements

- Digital pressure gauge with G ½, G ¼ or ¼ NPT male thread
- Process connection with a G ¼, G ⅛ or ¼ NPT female thread

⇒ Corresponding adapters are available in the WIKA accessories.

No.	Description
①	Pressure gauge connection ISO 228-G ½, male thread
②	Pressure gauge connection ISO 228-G ¼, male thread
③	Pressure gauge connection ¼ NPT, female thread
④	Measuring hose DN 2, length 0.5 m [19.69 in]
⑤	Hose adapter (without check valve)
⑥	Test coupling ISO 228-G ¼, male thread
⑦	Test coupling ISO 228-G ⅛, male thread
⑧	Test coupling ¼ NPTF, male thread
⑨	Test coupling M10 x 1, male thread

Application example:
Direct connection of the digital pressure gauge with measuring hose and reducer



- Requirements**
- Digital pressure gauge with a G ½ or ¼ NPT male thread
 - Process connection with a G ½ or G ¾ female thread
- ⇒ Corresponding adapters are available in the WIKA accessories.

No.	Description
①	Pressure gauge connection ISO 228-G ½, male thread
②	Pressure gauge connection ISO 228-G ¼, male thread
③	Pressure gauge connection ¼ NPT, female thread
④	Measuring hose DN 2, length 0.5 m [19.69 in]
⑤	Hose adapter (without check valve)
⑥	Test coupling M10 x 1, male thread
⑦	Reduction nozzle G ½, male thread to M10 x 1, female thread
⑧	Reduction nozzle G ¾, male thread to M10 x 1, female thread

Scope of delivery

- Digital pressure gauge, model CPG1200 incl. protective case cap
- 3 x 1.5 V AA alkaline batteries
- Micro-USB-B to USB cable approx. 2 m [6.6 ft]
- Power supply unit, DC 5 V with Micro-USB type B connector
- Plastic case
- Adapter set for 1620 or 1215 series; for further information, see data sheet AC 87.02
- Operating instructions



Digital pressure gauge, model CPG1200 with protective case cap and USB cable

Ordering information

DMK1200 / Pressure adapters / Data logger / Unit / Measuring range / Type of certificate

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