



DruckTest GaWa EX

Digital pressure gauge for precise pressure measurements of gas and water pipes for house connections, indoor installation and functional testing of pressure regulators from 0 to 2000 mbar (200 kPa) and 0 to 100 bar (10 MPa).



- Meets the requirements of G 469
- Designed for condition-based maintenance according to G 495
- Rugged hand-held instruments with ergonomic aluminum housing
- Load- and tightness tests according to TRGI and ZVSHK
- Wide range of applications in the gas and water installation by 3 measuring ranges
- High contrast LCD display with backlight for an optimal presentation of all measured values
- Easy replacement of batteries with innovative battery Management
- Systematic evaluation of the measured data using Esders PC-1 software
- Graphical printout on site on mobile printer
- Simple operation with intuitive menu navigation
- Practical accessories for all applications

Typical applications

Pressure test on house connections for gas and water, combined pressure and load test according to TRGI and ZVSHK, regulator examination, measurement of flow, resting and working pressures, pressure tests on water and heating pipes

The DruckTest GaWa enables fast and accurate pressure measurements, ease of use and wide range of applications. Through 2 sensors and 3 pressure ranges the device for all pressure measurements in the installation area gas and water can be used. As a differential pressure measuring system a positive or negative pressure relative to the atmospheric pressure can be measured. By connecting the two nipples, pressure differences can be measured. The high pressure sensor is also suitable for measurements up to 25 bar for the medium water. The DruckTest GaWa provides numerous advantages through the display of minimum and maximum values, as well as measurement times and start and end pressures in pressure tests.

The following operating modes are selectable from the menu:

- **Pressure Test** display of starting pressure, final pressure, measurement time and pressure drop, as well as minimally and maximum pressure value.
- **Regulator Test** display of the outgoing pressure, closing pressure, safety pressure release valve response pressure and leak-proof completion, upper and lower deactivation of safety shut-off valve and leak-proof completion.
- **Load test according to TRGI** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the TRGI load testing
- **Tightness test according to TRGI** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the TRGI tightness testing
- **Load test according to ZVSHK** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the ZVSHK load testing
- **Tightness test according to ZVSHK** Menu-driven procedure with individual Adjusting of the measuring time to the requirements of the ZVSHK tightness testing

HOUSE CONNECTION TESTING

With the range 0 to 10 bar, the DruckTest GaWa is particularly suitable for pressure tests on building connections to G 469 / I.

Furthermore, the DruckTest GaWa offers the possibility of adjusting the settling time and the test time period from 1 minute to 24 hours. These measurements can be documented with a fully automated process and retrieved for later analysis.



TECHNICAL DATA

Display	LCD graphic display with 128 x 64 pixels + special characters, with backlight
Power supply	4 pcs 1.5V Alkaline AA Batteries or NiMH battery pack EX
Operating time	Battery pack: > 48 hours in the measurement range <2 bar (without lighting), > 36 hours in the measurement range >2 bar (without lighting) Batteries: > 60 hours in the measurement range <2 bar (without lighting), > 45 hours in the measurement range >2 bar (without lighting) Warning message on the display when the required battery change
Pressure transmitter	Low Pressure (relative pressure transmitter): 0 to 200 mbar (hPa) and 200 to 2000 mbar, resolution 0.1 mbar and 1 mbar High Pressure (absolute pressure transmitter): 0 to 10, 25, 50 and 100 bar; resolution 2 and 5 mbar
Explosion approval	II 2G EX ib IIB T3 Gb; BVS 05 ATEX E 010 X
Operating Temperature	- 20 °C to + 50 °C
Dimensions	191 x 58 x 34 mm including pressure connection couplings
Weight	approximately 455 g including batteries
Accuracy	Better than 0.5 % full scale at 200 mbar (hPa) or 2000 mbar Better than 0.1 % of full scale for 10 bar (1 MPa) and 25 bar (2.5 MPa) Range Better than 0,5 % of full scale for 50 bar (5 MPa) and 100 bar (10 MPa) Range

Technical specifications subject to change! Status 2020/06

