



Budenberg

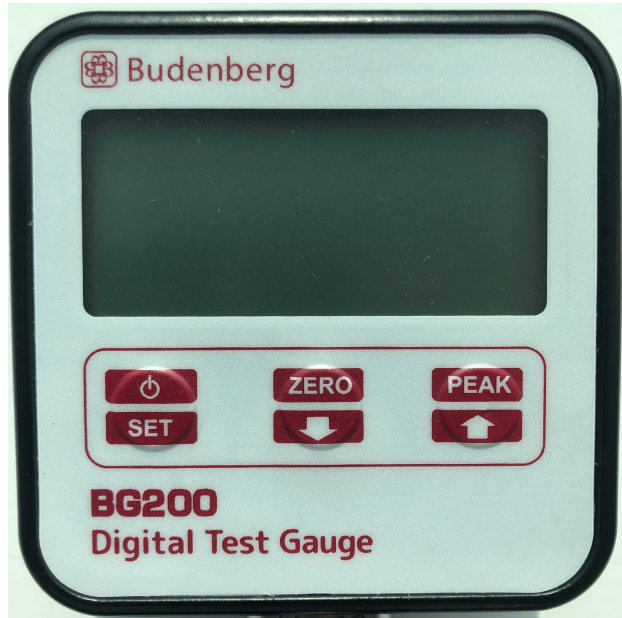


Made in Britain

BG200

Digital Pressure Test Gauge

Data Sheet



Features

- Pressure Ranges from 100 mbar to 3000 bar
- Accuracy 0.05 % FS up to 1000 bar, 0.1 % FS above
- 10 Selectable Pressure Units
- Large 5 digits display resolution with active bar graph
- Maximum, minimum, zero, tare and damping function
- USB connection (Optional)
- Stainless Steel 17-4 PH sensor for high strength and aggressive media
- Measure media temperature
- IP 65 protection

Overview

The BG200 is an high accuracy digital test gauge which combines precision and functionality in a robust and easy to use unit.

The BG200 Digital test gauge can be supplied stand alone as process indicator or as a kit together with our range of calibration hand pumps to become a cost effective pressure calibrator.

Pressure Test Kits

The BG200 can be used in conjunction with our BG range of hand pump to become a power yet cost effective pressure calibration system from -1 to 1000 bar. All our hand pumps are supplied with case, set of BSP or NPT test points adaptors and customised foam to take all the accessories and the digital test gauge.



BG200

Digital Pressure Test Gauge

Specifications

Accuracy

±0.05 % Full Scale from -1 to 1000 bar @23 C

±0.1 % Full Scale from 1000 to 3000 bar @23 C

Accuracy include linearity and hysteresis Compensated temperature range from -10 to 70C, temperature effect with-in compensated range is <0.002%/C

Resolution

Range Code	Type	Range (bar)	Range (PSI)	Resolution (bar)
2	G	0-0.16	0-2	0.0001
5	G	0-0.35	0-5	0.0001
10	G	1-0.7	0-10	0.001
15	G or A	-1 to 1	0-15	0.0001
30	G or A	-1 to 2	0-30	0.0001
50	G or A	-1 to 3.5	0-50	0.0001
100	G or A	-1 to 7	0-100	0.0001
150	G or A	-1 to 10	0-150	0.001
300	G	-1 to 20	0-300	0.001
500	G	-1 to 35	0-500	0.001
600	G	-1 to 40	0-600	0.001
870	G	-1 to 60	0-870	0.001
1K	G	0 to 70	0-1000	0.001
2K	G	0-140	0-2000	0.01
3K	G	0-200	0-3000	0.01
5K	G	0-350	0-5000	0.01
10K	G	0-700	0-10000	0.01
15K	G	0-1000	0-15000	0.1
20K	G	0-1400	0-20000	0.1
30K	G	0-2000	0-30000	0.1
36K	G	0-2500	0-36000	0.1
43K	G	0-3000	0-43000	0.1

Selectable Pressure unit

mbar, bar, kPa, MPa, psi, kg/cm², mHg, mmHg, mH₂O and mH₂O.

Burst Pressure

300% FS

Display

5 Digits, Back-light (programmable 1 to 60s or disabled), active bar graph. Custom LCD 13mm high

Battery

2 x 1.5V AAA batteries, non rechargeable- 1 Year Autonomy

Menu Lock

Password protected menu against not authorised user

WINTEST1 SOFTWARE (Optional)

The software allow for real time data transfer to a PC, graphic visualization and data management

USB communication (Optional)

USB.2 type B

Digital Filter/Damping function

The BG200 digital test gauge features a programmable digital filter which allow for stable pressure readings even in highly un-stable pressures. This function is particularly suitable when the gauge is used for monitoring industrial processes.

General

Case Material

Anodised Aluminium sealed to IP 65 (IP40 with USB option)

Wetted Parts

Stainless Steel 17-4 PH sensor for high strength and aggressive media

Storage Temperature

-10 to 80C

Dimension

(W)86 x (L)86x (D)39 mm

Total length with sensor fitting 139 mm

European compliance

CE Marked

89/336/CEE-93/68/CEE-72/23/CE,EN61010(2001)

EN61326-1-EN 61326/A1

Pressure Port

G12 Male, G14 Male, 1/2" NPT Male, 1/4" NPT Male

Display update

100 msec

Minimum/Max/Zero function

Minimum and maximum pressure value are displayed on the BG200. ZERO function is possible up to 50% of FS