

Industrial Range

MODEL

BGH600DWT

SINGLE RANGE TESTER



- ▶ Ranges from 1 to 40 bar
- ▶ Standard Accuracy to 0.015%

Hydraulic
Dead-Weight
Testers.

Primary standards
for Pressure
Calibration

- ▶ Class 'A' Accuracy to 0.008%
- ▶ Supplied with integral pressure generation



Budenberg

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Hydraulic Dead-Weight Testers.

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Standard Accuracy to 0.015%
Class A with UKAS
Calibration Certificate 0.008%

RANGES:

40 bar 600 lb/in²
4000 kPa 40 kg/cm²

The BGH600DWT series

All weights are top loading for ease of use and weight sets are fully interchangeable. This means that weight sets in alternative pressure units are readily available.

The base features a single area screwpress which allows low pressure priming and high pressure control. The BGH600DWT is a robust design, proven over many years usage. The unit has a 1/16in²

fully hardened and stabilised tool steel piston.

This unit gives extremely good sensitivity for high accuracy calibration, yet is tough enough for regular use in a workshop environment.

When supplied with the carry case set, this is a fully portable hydraulic deadweight tester



ACCURACY

All certificates issued for Budenberg Dead-weight Testers are fully traceable to national standards via equipment with UKAS calibration certificates. A standard accuracy of 0.015% is achieved from 10% of range using software supplied to compensate for the effects of gravity, temperature and the actual area of piston unit. Standard accuracy without any corrections for actual area is 0.02% from 6 to 40 bar, 0.03% from 1 to 6 bar. Higher accuracy Class A testers are available (supplied with UKAS Calibration certificates for area and mass) allowing an accuracy of 0.008% to be achieved.

WEIGHTS SUPPLIED

bar or kg/cm ² Range	kPa Range	lb/in ² Range
1-40	100-4000	10-600
Piston 1	Piston 100	Piston 10
1 wt 0.5	1 wt 50	1 wt 5
1 wt 1	1 wt 100	2 wts 10
2 wts 2	2 wts 200	2 wts 40
1 wt 4	1 wt 400	1 wts 100
6 wts 5	6 wts 500	2 wts 200
Optional fine increment weights		
1 wt 0.4	1 wt 40	1 wt 4
1 wt 0.2	1wt 20	1 wt 2
1 wt 0.1	1wt 10	1 wt 1
2 wts 0.04	2 wts 4	2 wts 0.4
1 wt 0.02	1wt 2	1 wt 0.2

ACCESSORIES

There are many accessories which can be supplied for use with the Dead-weight testers. These include liquid / liquid seals, two gauge stands and many others. Budenberg have extensive experience in the use of Dead-weight testers and can supply accessories for many applications. A separate data sheet of accessories is available.

PACKING DETAILS

Dependent on configuration

SPARES, REPAIR AND RE-CERTIFICATION

Comprehensive service and calibration capability of both Budenberg and non Budenberg test equipment: Dead-weight Testers (working service or full overhaul).

Portable calibrators (Budenberg & non- Budenberg).

Comparators.

All accuracy ranges can be supplied with UKAS Calibration Certificates.

Certification traceable to national standards.

Rapid turn-around times and hire items available as a temporary replacement for strategically important plant.

For further information on Accessories, Repairs & Recertification contact Budenberg and ask for a Data sheet.

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