

Industrial Range

MODEL

# BGH4000

SINGLE RANGE TESTER



## Hydraulic Dead-Weight Testers

Primary standards  
for Pressure  
Calibration

- Range from  
100 - 4,000 bar  
1,000 - 60,000 psi

- Standard Accuracy  
to 0.025%

- Class 'A' Accuracy  
to 0.015%



**Budenberg**

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## MODEL BGH4000

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Standard Accuracy to 0.025%  
OPTIONAL Class A Calibration Certificate  
0.015%

#### RANGES:

4,000 bar 60,000 psi  
4,000 kg/cm<sup>2</sup> 400 MPa

### ACCURACY

All certificates issued for Budenberg Dead Weight Testers are fully traceable to national / international standards

The standard accuracy of 0.025% is achieved between 100 and 4000 bar.

Higher accuracy Class A testers are available supplied with detailed Area and Mass certificate of calibration allowing an accuracy of 0.015%.



## BGH4000 SERIES BASE

The base features a high pressure screw-press which allows for low pressure priming and high pressure control. The base incorporates high pressure hydraulic connections and pipework, connected to a gauge stand which uses Budenberg's standard high pressure cone-joint connections. The piston stand is elevated from the base to allow an overhang weight set to be used, giving extra stability at higher pressures.

The BGH4000 uses a well-proven design in it's 1/200in<sup>2</sup> tungsten carbide piston /cylinder unit.

Please note: Due to Budenberg's policy of continuous improvements, specifications may be subject to change without notice.

### WEIGHTS SUPPLIED

bar	lb/in <sup>2</sup>
100 - 4000	1000 - 60000
Piston with make-up weight 100 18 weights at 200 2 weights at 100 1 weight at 50 2 weights at 20 1 weight at 10	Piston with make-up weight 1000 28 weights at 2000 2 weights at 1000 1 weight at 500 2 weights at 200 1 weight at 100

### ACCESSORIES

There are many accessories which can be supplied for use with the Dead-weight testers. Budenberg have extensive experience in the use of Dead-weight testers and can supply accessories for many applications.

### SOFTWARE

For maximum ease of use, computer software can be supplied with Class A certification. The software allows the users to correct for the effects of environmental factors such as gravity and temperature and to determine the precise pressure generated by the Dead-weight testers.

### PACKING DETAILS

1 carton containing base, tool roll and piston unit:  
59 x 49 x 38cm, 0.110m<sup>3</sup>, Nett 20kg, Gross 22kg.  
Up to 5 cartons containing weights:  
32 x 32 x 31cm, 0.04m<sup>3</sup>, Nett 25kg, Gross 30kg. ea

### 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).  
Gauges (all types, all manufacturers).  
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, and other product information contact Budenberg and ask for a Data sheet.**

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