## **Industrial Range**

# MODEL BGH300

**SINGLE RANGE TESTER** 



- Ranges from 2 to 300 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

## **Industrial Range**

**MODEL** 

**BGH300** 

Hydraulic Dead-Weight Testers.

### Primary standards for Pressure Calibration

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

Bar 300 kPa 30000 lb/in² 4000 kg/cm² 300

The **BGH** series base can be used with any of the **BGH** series pistons to give ranges 1-120bar with a **BGH120**, 2-300bar with a **BGH300**, 1-700bar with a **BGH700** and

1-1200bar with a BGH1200.

All units are top loading for ease of use and weight sets are fully interchangeable.

This means that the weight sets in alternative pressures are readily available and customers with more than one **BGH** series tester can interchange weight sets between a tester of the same range.

The base features a dual area screwpress which allows low pressure priming and high pressure control. The **BGH300** is a proven design using a 1/40in<sup>2</sup> fully hardened and stabilised tool steel piston/cylinder unit. The design incorporates an auxiliary piston unit which minimises the possibility of damage to the measuring system. This makes the unit sensitive enough to for accurate calibration and robust enough for



#### **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 30 to 300 bar, 0.03% from 2 to 30 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.

bar or kg/cm² Range 2 to 300	<b>kPa</b> Range 200 to 30,000	<b>lb/in</b> ² Range 30 to 4000
Piston 2	Piston 200	Piston 30
1 wt 3	1 wt 300	1 wt 20
1 wt 45	1 wt 4500	1 wt 450
4 wts 50	4 wts 5000	6 wts 500
1 wt 25	1 wt 2500	1 wt 250
2 wts 10	2 wts 1000	2 wts 100
1 wt 5	1 wt 500	1 wt 50
1 wt 2.5	1 wt 250	1 wt 25
Optional fine increm	nt weights	
2 wts 1	2 wts 100	2 wts 10
1 wt 0.5	1 wt 50	1 wt 5
1 wt 0.25	1 wt 25	1 wt 2.5
2 wts 0.1	2 wts 10	2 wts 1
1 wt 0.05	1 wt 5	1 wt 0.5

#### **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 Deadweight testers and can supply accessories for many applications. A separate data sheet of accessories is available.

#### PACKING DETAILS

1 carton containing base, tool roll and piston unit: 59 x 49 x 38cm. 0.110m³, Nett 20kg, Gross 22kg. 2 x cartons containing weights: 32 x 32 x 31cm. 0.04m³, 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).

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.

Budenberg Gauge Co. Ltd.

Unit B2, Stuart Road, Altrincham Business Park, Altrincham WA14 5GJ, United Kingdom.

Tel: +44 (0)161 777 7300 Email: sales@budenberg.co.uk Website: www.budenberg.co.uk Budenberg Gauge Pvt. Ltd. 299-300, IInd Main Road, Nehru Nagar,

Old Mahabalipuram Road ( OMR) , Chennai - 600 096, Tamil Nadu , India

Tel : +91 44 24541074 Tel/Fax: +91 44 24541075 Email: sales@budenberg-gauge.in Budenberg Gauge Asia Pacific Ltd

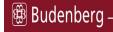
Unit 7A G/F Cheung Fat Ind Bldg 64-76 Larch St Tai Kok Tsui Kln Hong Kong

Tel: +852 3709 0020 Email: sales@budenberg-gauge.asia

Budenberg Middle East LLC

PO Box 18980 Dubai United Arab Emirates

Tel: +971 4 2511670 Email: sales@budenberg-me.org



heavy industrial use