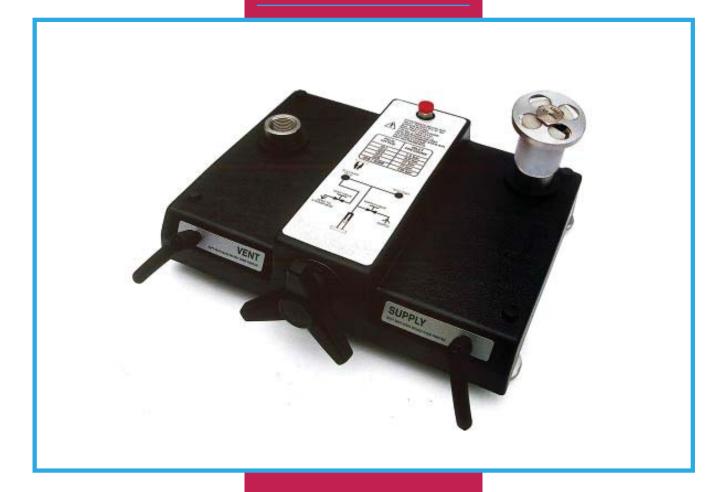
## **Industrial Range**

MODEL

## BGP1



- Ranges from 15 to 1000 mbar
- Standard Accuracy to 0.015%

**Pneumatic Dead-Weight** Testers.

Primary standards for Pressure Calibration

- Class 'A' Accuracy to 0.006%
- Supplied with Integral Pressure Controls

## **Industrial Range**

# BGP1

Pneumatic Dead-Weight Testers.

### Primary standards for Pressure Calibration

Standard Accuracy to 0.015% Class A with UKAS Calibration Certificate 0.006%

RANGES:

mbar 15 to 1000 kPa 1.5 to 100 in. water 5 to 400 mm water 150 to 10,000

The BGP120 base can be used with any BGP120 series pistons, allowing testing from 15 mbar to 120 bar. The base requires a supply of gas slightly above test pressure, and has precision inlet/outlet valves and a screwpress to enable easy regulation and adjustment of pressure.

The BGP1 has a 1/2in² high chrome steel piston/cylinder unit. The design has been proven over many years to provide excellent sensitivity and stability. Low start pressure is achieved through use of a hollow piston and aluminium head.

NOTE: Model BGP1 can be used on vacuum with a model 24 adaptor.



#### **ACCURACY**

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 correction figures 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 100 to 1000 mbar, 0.04% from 15 to 100 mbar. Higher accuracy Class A testers are available (supplied with UKAS Calibration certificates for area and mass) allowing an accuracy of 0.006% to achieved.

#### WEIGHTS SUPPLIED

15 to 1000 mbar	1.5 to 100 kPa	5 to 400 in. water	150 to 10,000 mm. water
Piston <sup>+</sup> 15 1 wt 5 3 wts 20 2 wts 10 6 wts 50 6 wts 100	Piston+ 1.5 1 wt 0.5 3 wts 2 2 wts 1 6 wts 5 6 wts 10	Piston+ 5 1 wt 45 2 wts 100 2 wts 50 2 wts 20 1 wt 10 1 wt 5 2 wts 2 1 wt 1	Piston* 150 1 wt 850 3 wts 2000 2 wts 1000 1 wt 500 2 wts 200 1 wt 100 1 wt 50 1 wt 25

<sup>+</sup> includes making-up weight or screw

#### **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

1 carton containing complete tester: 51 x 49 x 30cm. 0.075m³, Nett 21kg, Gross 24kg.

## SPARES, REPAIR AND RE-CERTIFICATION

Comprehensive service and calibration capability of both **Budenberg** and non **Budenberg** test equipment: Deadweight 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.

