

Industrial Range

MODEL

BGP7



Pneumatic
Dead-Weight
Testers.

Primary standards
for Pressure
Calibration

- ▶ Ranges from 0.1 to 7 bar
- ▶ Standard Accuracy to 0.015%

- ▶ Class 'A' Accuracy to 0.006%
- ▶ Supplied with integral pressure controls



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Pneumatic Dead-Weight Testers.

Primary standards for Pressure Calibration

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

RANGES:

Bar 0.1 to 7
kPa 10 to 700
lb/in² 1 to 100
kg/cm² 0.1 to 7

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

The BGP7 has a 0.5in² high chrome steel piston/cylinder unit which operates on pure Gas. The design has been proven over many years to achieve the necessary sensitivity whilst remaining robust enough for heavy industrial use.



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 0.7 to 7 bar, 0.03% from 0.1 to 0.7 bar. Higher accuracy Class A testers are available (supplied with UKAS Calibration certificates for area and mass) allowing an accuracy of 0.006% to be achieved.

WEIGHTS SUPPLIED

+ includes making-up weight or screw

0.1 to 7 bar

0.1 to 7 kg/cm²

| | |
|---------|------|
| Piston+ | 0.1 |
| 1 wt | 0.4 |
| 2 wts | 0.5 |
| 5 wts | 1 |
| 2 wts | 0.2 |
| 1 wt | 0.1 |
| 1 wt | 0.05 |

10 to 700 kPa

| | |
|----------|-----|
| Piston + | 10 |
| 1 wt | 40 |
| 2 wts | 50 |
| 5 wts | 100 |
| 2 wts | 20 |
| 1 wt | 10 |
| 1 wt | 5 |

1 to 100 lb/in²

| | |
|--------|-----|
| Piston | 1 |
| 1 wt | 4 |
| 2 wt | 5 |
| 8 wts | 10 |
| 2 wts | 2 |
| 1 wt | 1 |
| 1 wt | 0.5 |

Optional fine increment weights

| | |
|-------|-------|
| 2 wts | 0.02 |
| 1 wt | 0.01 |
| 1 wt | 0.005 |

| | |
|------|-----|
| 2 wt | 2 |
| 1 wt | 1 |
| 1 wt | 0.5 |

| | |
|-------|------|
| 2 wts | 0.2 |
| 1 wt | 0.1 |
| 1 wt | 0.05 |

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 base, tool roll and piston unit:
51 x 49 x 30cm. 0.075m³, Nett 18kg, Gross 21kg.
1 carton containing weights:
25 x 25 x 29cm. 0.018m³, Nett 22kg, Gross 25kg.

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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