

BGP7

Industrial Range



- ▶ Ranges from 0.1 to 7 bar
- ▶ Standard accuracy to 0.015%
- ▶ Class 'A' accuracy to 0.006%
- ▶ Supplied with integral pressure controls

The BGP base can be used with any BGP series piston, 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.



Pneumatic Dead-Weight Testers.
Primary standards for Pressure Calibration

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/cm ²	10 to 700 kPa	1 to 100 lb/in ²
Piston+ 0.1	Piston+ 10	Piston 1
1 wt 0.4	1 wt 40	1 wt 4
2 wts 0.5	2 wts 50	2 wt 5
5 wts 1	5 wts 100	8 wts 10
2 wts 0.2	2 wts 20	2 wts 2
1 wt 0.1	1 wt 10	1 wt 1
1 wt 0.05	1 wt 5	1 wt 0.5
Optional fine increment weights		
2 wts 0.02	2 wt 2	2 wts 0.2
1 wt 0.01	1 wt 1	1 wt 0.1
1 wt 0.005	1 wt 0.5	1 wt 0.05

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.

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.



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