

Industrial Range

MODEL

BGP1



Pneumatic
Dead-Weight
Testers.

Primary standards
for Pressure
Calibration

▶ Ranges from 15 to
1000 mbar

▶ Standard Accuracy to
0.015%

▶ Class 'A'
Accuracy to
0.006%

▶ Supplied with
Integral Pressure
Controls



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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

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 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 be achieved.

WEIGHTS SUPPLIED

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

* 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: 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.