

BGP1P

Portable Industrial Range

- ▶ Ranges from 15 to 1000 mbar
- ▶ Standard accuracy to 0.015%
- ▶ Class 'A' accuracy to 0.006%
- ▶ Supplied with integral pressure controls



The BGP1P Portable Dead Weight Tester is a fully self contained primary pressure standard. Its ergonomic carry case contains the piston cylinder unit, mass set, pump, indicating gauge and connection hose - everything needed to carry out on-site, high-accuracy pressure calibrations.



Pneumatic Dead-Weight Testers.
Primary standards for Pressure Calibration

The BGP1P 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 BGP1P can be used on vacuum with a model 24 adaptor for negative gauge pressure calibrations.

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 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

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:
59 x 49 x 38cm. 0.110m³, Nett 20kg, Gross 22kg.
2 carton containing weights:
32 x 32 x 31cm. 0.04m³, Nett 25kg, Gross 30kg each.



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