

# BGP1

## Industrial Range



### 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 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.

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

The BGP120 base can be used with any 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 aluminum head.

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

### WEIGHTS SUPPLIED

15 to 1000 mbar		1.5 to 100 kPa		5 to 400 in. water		150 t	
Piston <sup>+</sup>	15	Piston <sup>+</sup>	1.5	Piston <sup>+</sup>	5	Piston <sup>+</sup>	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	5	6 wts		2 wts	2	1 wt	500
6 wts	100	6 wts	10	1 wt	10	2 wts	
				1 wt	5	1 wt	100
				2 wts		1 wt	50
				1 wt	1	1 wt	25

<sup>+</sup> 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 complete tester:  
51 x 49 x 30cm. 0.075m<sup>3</sup>, Nett 21kg, Gross 24kg



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