

Industrial Range

MODEL

BGP2DP



- ▶ Ranges from 15 to 2000 mbar
- ▶ Standard Accuracy to 0.015%

Portable  
Dead-Weight  
Testers.

Primary standards  
for Pressure  
Calibration

- ▶ UKAS Area and Mass Accuracy to 0.006%
- ▶ Supplied with integral pressure generation



Budenberg

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## MODEL

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## Portable Dead Weight Testers

## Primary standards for Pressure Calibration

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

mbar 15 to 2000  
kPa 1.5 to 200  
in. water 5 to 800  
mm water 150 to 20,000

The BGP2DP Portable Dead Weight Tester is a fully self-contained primary differential pressure standard. Its ergonomic carry case contains the piston-cylinder units, mass sets, pumps, indicating gauge and connection hoses - everything needed to carry out on-site, high-accuracy pressure calibrations

The BGP2DP has a 1/2in<sup>2</sup> high chrome steel piston/cylinder units. 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 BGP2DP can be used on vacuum with a model 24 adaptor for standard 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 2000 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 2000 mbar	1.5 to 200 kPa	5 to 800 in. water	150 to 20,000 mm. water
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 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
overhang 1000 weight	overhang 100 weight	2 wts 2	1 wt 50
		1 wt 1	1 wt 25
		overhang 400 weight	overhang 10000 weight

\* 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, approx: 50x25x25cm., Gross 20kg.

## 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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