

# Industrial Range

MODEL

# BGP7



Pneumatic  
Dead-Weight  
Testers.

Primary standards  
for Pressure  
Calibration

- ▶ Ranges from 0.1 to 7 bar
- ▶ Standard Accuracy to 0.015%

- ▶ Class 'A' Accuracy to 0.006%
- ▶ Supplied with integral pressure controls



Budenberg

# Industrial Range

## MODEL BGP7

### Pneumatic Dead-Weight Testers.

### Primary standards for Pressure Calibration

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

#### RANGES:

Bar 0.1 to 7  
kPa 10 to 700  
lb/in<sup>2</sup> 1 to 100  
kg/cm<sup>2</sup> 0.1 to 7

The **BGP** base can be used with any BGP series pistons, 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 0.5in<sup>2</sup> 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.



## 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<sup>2</sup>

Piston+	0.1
1 wt	0.4
2 wts	0.5
5 wts	1
2 wts	0.2
1 wt	0.1
1 wt	0.05

10 to 700 kPa

Piston +	10
1 wt	40
2 wts	50
5 wts	100
2 wts	20
1 wt	10
1 wt	5

1 to 100 lb/in<sup>2</sup>

Piston	1
1 wt	4
2 wt	5
8 wts	10
2 wts	2
1 wt	1
1 wt	0.5

#### Optional fine increment weights

2 wts	0.02
1 wt	0.01
1 wt	0.005

2 wt	2
1 wt	1
1 wt	0.5

2 wts	0.2
1 wt	0.1
1 wt	0.05

## 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. 0.075m<sup>3</sup>, Nett 18kg, Gross 21kg.  
1 carton containing weights:  
25 x 25 x 29cm. 0.018m<sup>3</sup>, Nett 22kg, Gross 25kg.

## 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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