



Industrial Range

MODEL 554



- ▶ Ranges from 0.2 to 25 bar
- ▶ Standard Accuracy to 0.015%

Pneumatic
Dead-Weight
Testers.

Primary standards
for Pressure
Calibration

- ▶ Class 'A' Accuracy to 0.008%
- ▶ Supplied with Software

Industrial Range

MODEL 552

Pneumatic Dead-Weight Testers.

Primary standards for Pressure Calibration

Standard Accuracy to 0.015%
Class A with UKAS
Calibration Certificate 0.008%

RANGES:

Bar 0.1 to 7
kPa 10 to 700
lb/in² 1 to 100
kg/cm² 0.1 to 7

The 550 base can be used with any 550 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 552 has a 0.5in² 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 DH-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 0.008% to be achieved.

WEIGHTS SUPPLIED

+ includes making-up weight or screw

0.1 to 7 bar

0.1 to 7 kg/cm²

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/in²

Piston	1
1 wt	4
2 wts	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

SOFTWARE

For maximum ease of use, computer software is supplied with all units. There are two software packages, one for standard accuracy, one for Class A. The software allows the users to correct for the effects of environmental factors such as gravity and temperature and to determine the precise pressure generated by the Dead-weight testers.

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. DH-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. 0.075m³, Nett 18kg, Gross 21kg.
1 carton containing weights:
25 x 25 x 29cm. 0.018m³, Nett 22kg, Gross 25kg.

SPARES, REPAIR AND RE-CERTIFICATION

Comprehensive service and calibration capability of both DH-Budenberg and non DH-Budenberg test equipment: Dead-weight Testers (working service or full overhaul).

Portable calibrators (DH-Budenberg & non- DH-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 DH-Budenberg and ask for a Data sheet.



DH-Budenberg

DH-Budenberg Ltd.
PO Box 224, Woodfield Road,
Altrincham, Cheshire WA14 4FY.
Tel: 0161 942 4700.
Fax: 0161 942 4701.
Email: sales@dh-budenberg.co.uk

DH-Budenberg S.A.
56, rue des Ecoles,
93303 Aubervilliers, BP125,
Cedex, France.
Tel: 33 (0) 1 48 39 83 00.
Fax: 33 (0) 1 48 33 65 90.
Email: dhonline@desgranges.com

DH-Budenberg GmbH.
Raiffeisenstrasse 2,
D-63110 Rodgau,
Germany.
Tel: 49 (0) 6106 82 940.
Fax: 49 (0) 6106 82 9417.
Email: desgranges.support@t-online.de