



## SERIES: 1100



- **ACCURACY UP TO 0.015%**
- **STAINLESS STEEL WEIGHTS**
- **CERTIFICATION OF CALIBRATION**
- **EXCELLENT ACCURACY AND STABILITY**
- **VARIOUS RANGES MEASURES 10 TO 20,000 PSI (0.5 TO 1400 BAR)**

### INTRODUCTION

Indumart *1100 Series* Deadweight Testers provide high quality and cost effective means of calibrating pressure instruments.

The design uses the piston gauge principle, in which, an applied pressure within the system balances a known mass applied to a hardened steel piston of known effective area.

The *1100P Series* Deadweight Testers are offered in two accuracy classes, 0.015% and 0.05%. The accuracies of these dead weight testers are guaranteed by calibrating the piston through 'cross floating' with a master piston. The balancing mass are precision turned, trimmed and adjusted to very close tolerance with precision mass balances under controlled conditions to obtain the overall accuracy of the dead weight tester.

The standard package includes a unit of *1100* Deadweight Tester with, a set of precision weights in a box, a set of NPT and BSP adaptors, operating manual, calibration certificate and one litre of operating fluid.

### ORDER CODE

**Model: 1100** -  -

#### RANGE

Select from the Table

#### ACCURACY

0.015% of Reading

0.05% of Reading

A
D

Model	Range	Interval
P1	10 - 500 psi	1 psi
P2	10 - 1000 psi	1 psi
P3	10 - 1500 psi	1 psi
P4	10 - 2000 psi	1 psi
P5	100 - 3000 psi	10 psi
P6	100 - 4000 psi	10 psi
P7	100 - 5000 psi	10 psi
P8	100 - 6000 psi	10 psi
P9	100 - 7000 psi	10 psi
P10	100 - 8000 psi	10 psi
P11	100 - 10000 psi	20 psi
P12	200 - 15000 psi	20 psi
P13	200 - 20000 psi	20 psi

Model	Range	Interval
B1	0.5 - 35 bar	0.05 bar
B2	0.5 - 70 bar	0.05 bar
B3	0.5 - 105 bar	0.05 bar
B4	5 - 140 bar	0.05 bar
B5	5 - 210 bar	0.5 bar
B6	5 - 280 bar	0.5 bar
B7	5 - 350 bar	0.5 bar
B8	5 - 420 bar	5 bar
B9	5 - 490 bar	5 bar
B10	5 - 560 bar	5 bar
B11	5 - 700 bar	5 bar
B12	20 - 1000 bar	10 bar
B13	20 - 1400 bar	10 bar

Model	Range	Interval
K1	0.5 - 35 kgf/cm <sup>2</sup>	0.05 kgf/cm <sup>2</sup>
K2	0.5 - 70 kgf/cm <sup>2</sup>	0.05 kgf/cm <sup>2</sup>
K3	0.5 - 105 kgf/cm <sup>2</sup>	0.05 kgf/cm <sup>2</sup>
K4	5 - 140 kgf/cm <sup>2</sup>	0.05 kgf/cm <sup>2</sup>
K5	5 - 210 kgf/cm <sup>2</sup>	0.5 kgf/cm <sup>2</sup>
K6	5 - 280 kgf/cm <sup>2</sup>	0.5 kgf/cm <sup>2</sup>
K7	5 - 350 kgf/cm <sup>2</sup>	0.5 kgf/cm <sup>2</sup>
K8	5 - 420 kgf/cm <sup>2</sup>	5 kgf/cm <sup>2</sup>
K9	5 - 490 kgf/cm <sup>2</sup>	5 kgf/cm <sup>2</sup>
K10	5 - 560 kgf/cm <sup>2</sup>	5 kgf/cm <sup>2</sup>
K11	5 - 700 kgf/cm <sup>2</sup>	5 kgf/cm <sup>2</sup>
K12	20 - 1000 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>
K13	20 - 1400 kgf/cm <sup>2</sup>	10 kgf/cm <sup>2</sup>

**INDUMART IS THE SOURCE FOR ALL OF YOUR CALIBRATION SYSTEMS REQUIREMENTS.**



Calibration Station



Pressure Calibrator



Calibration Hand Pump



Test Gauges



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