

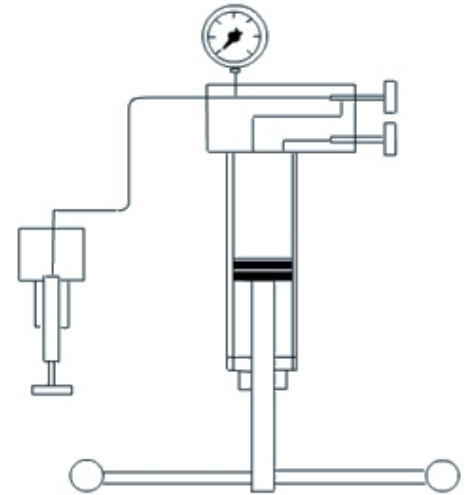
# JAPSIN INSTRUMENTATION



ISO 9001:2015 CERTIFIED ORGANISATION  
COMPLETE RANGE OF FLOW, LEVEL,  
TEMPERATURE & PRESSURE INSTRUMENTS



## Dead Weight Vacuum Gauge Tester > DT 55



It is used for calibration of vacuum gauges and other sensing, transmitting and recording vacuum instrument. The 'RAVIKA' Vacuum Gauge Tester is a quick and convenient method of calibration free from the disadvantages of using the fragile mercury manometer.

The main components of the tester are :

**SCREW PUMP** to generate the vacuum in the tester conveniently and precisely. It is of adequate capacity and is operated by turning the spoked handle.

**FREE PISTON** Assembly of special steel, hardened, tempered, ground and lapped to accurate size and very fine surface finish to provide true floating action. The free piston is suspended vertically downward from a rigid frame and is connected by a pipe to the screw pump. A CARRIER weight is attached to the free piston for taking more weights.

**VALVE** is provided to connect the circuit to the atmosphere and thus check zero of the gauge.

**GAUGE CONNECTOR** of 1/2" BSP (female) union for connecting gauge to be tested. Other sizes of gauges can be connected by using adaptors.

**SET OF WEIGHTS** directly marked in convenient values of vacuum and easily stacked on the CARRIER weight. It is available in either / and kgf / cm<sup>2</sup> , mmHg, in Hg units. Storage box is provided.

**BASEPLATE** of sturdy construction provided with legs and levelling screws.

MINIMUM VACUUM	SMALLEST STEP	MAXIMUM VACUUM	UNIT
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0.1	0.02	0.96	kgf / cm <sup>2</sup>
50	10	710	mmHg
2	0.5	28	inHg

#### STANDARD ACCESSORIES:

- » Storage Box for Weights
- » Set of Spare Seals
- » Dust Cover
- » Instruction Manual
- » Tin of Oil (1/2 L)
- » Adaptors : M20 x 1.5, 1/4" BSP & 3/8" BSP
- » Standard Tool Kit including Spanners, Allen Key, Screw Driver, Spirit Level

#### MATERIAL OF CONSTRUCTION

- » Piston : HCHCr
- » Cylinder : HCHCr
- » Base Instrument : MS Painted
- » Pipelines : Stainless Steel
- » Weights : Stainless Steel / MS Phosphated Black

#### OPTIONAL ACCESSORIES

- » Adaptors 1/8", 1/4", 3/8", 1/2" NPT
- » Angle Connection (1/2" M x 1/2" F BSP)
- » Pointer Puller & Pointer Punch

#### CALIBRATION / TRACEABILITY

The calibration is done against Test Gauges certified by National Physical Laboratory, New Delhi and our Test Certificate shall give the comparative results against them.

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