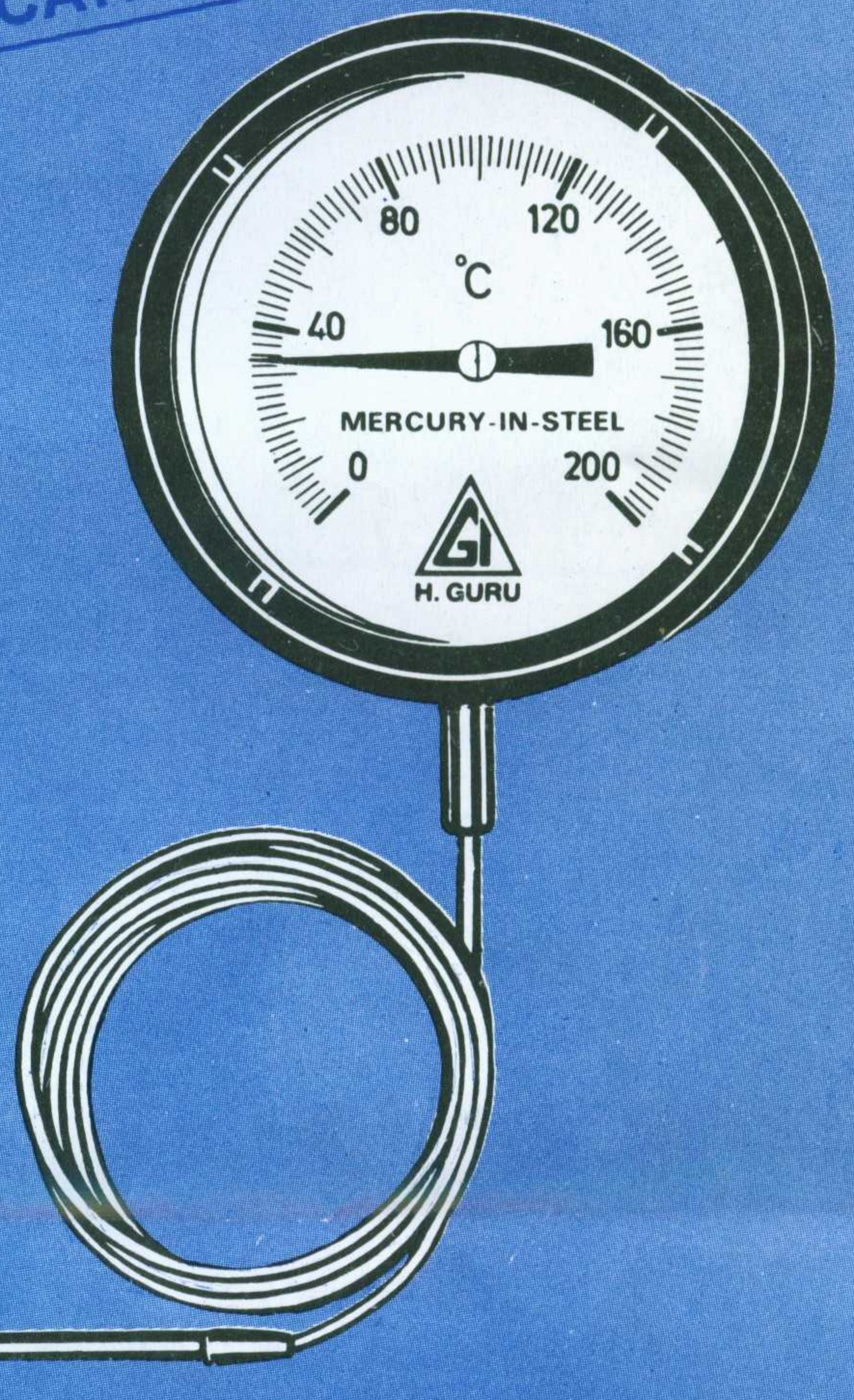
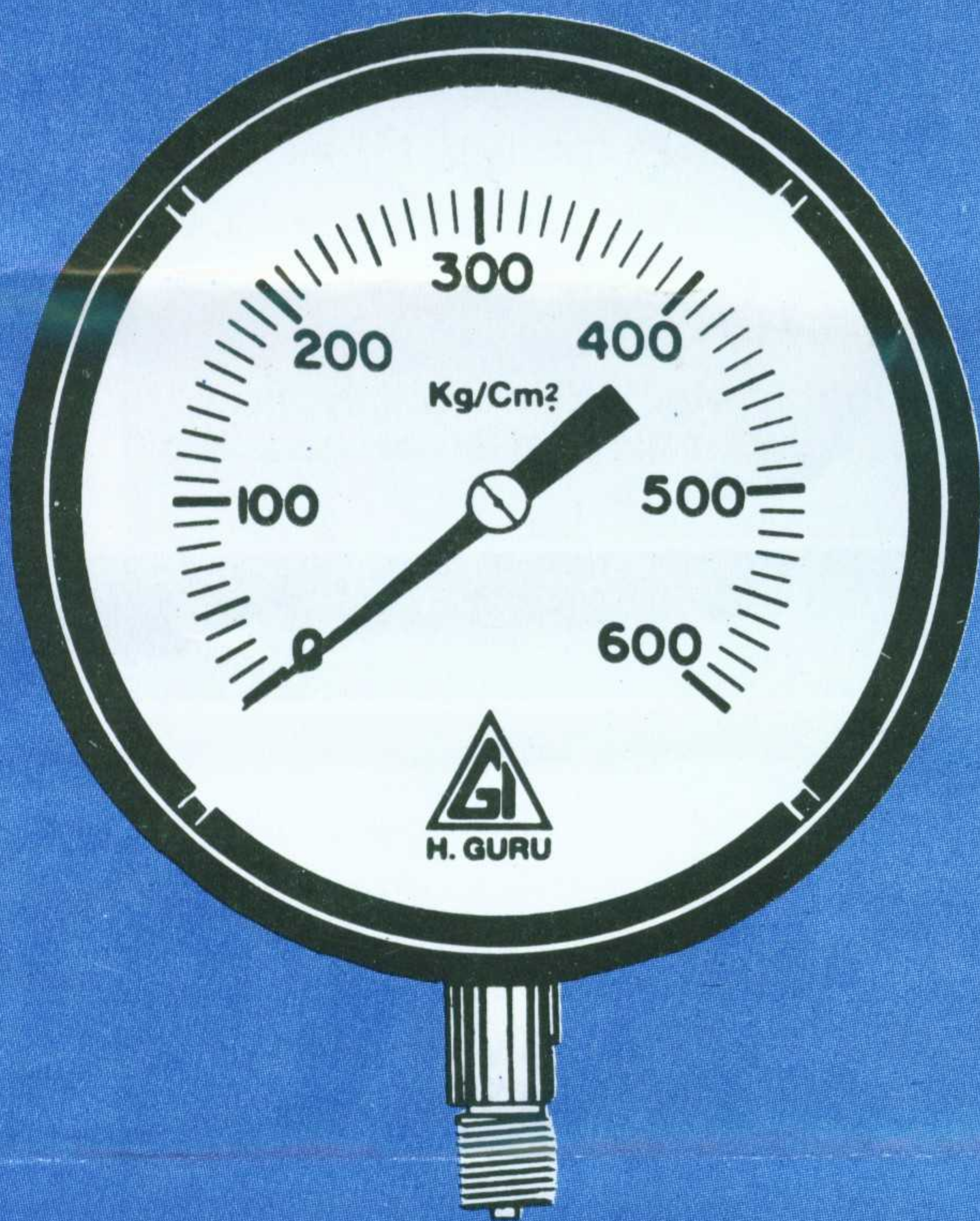


**H. GURU**

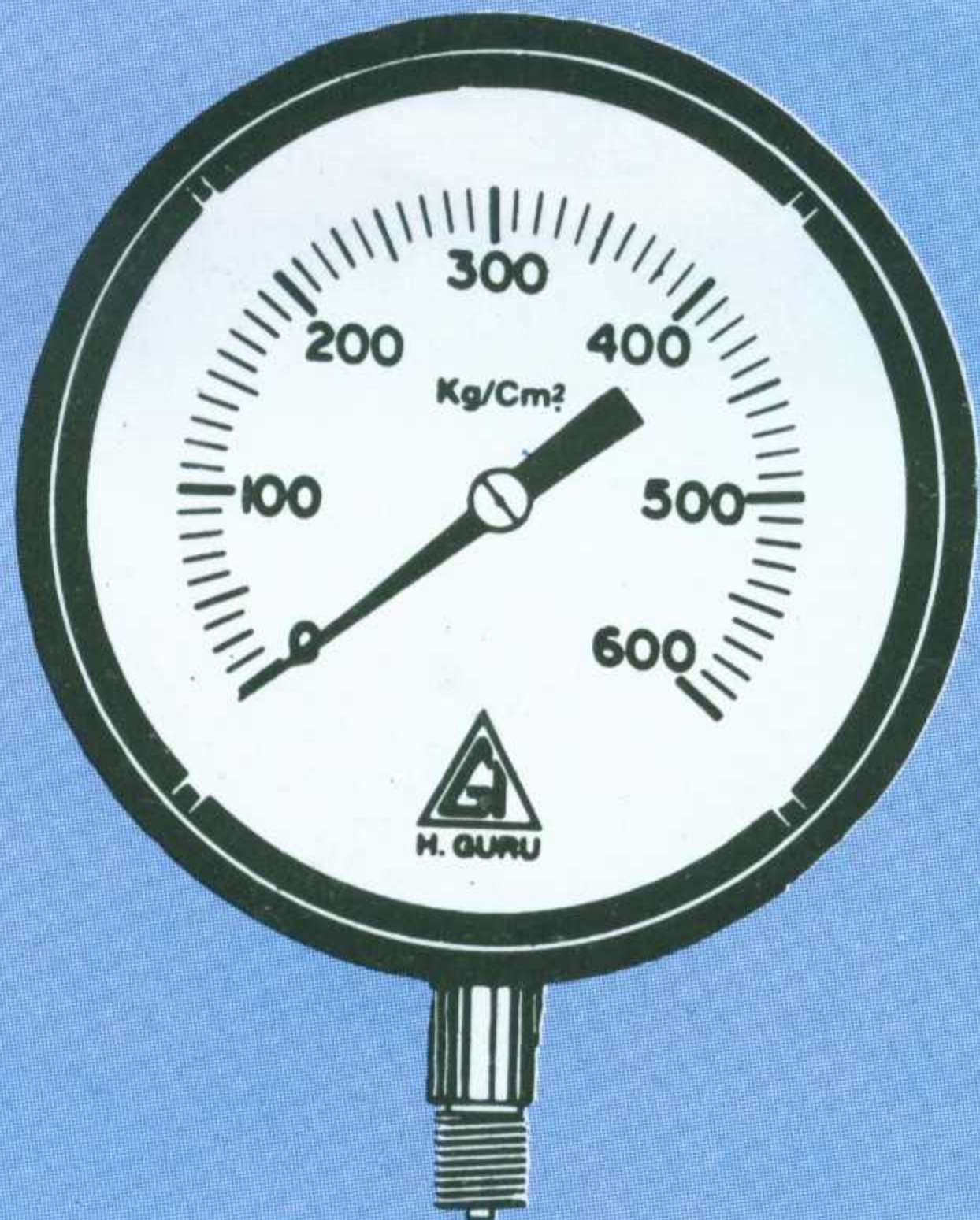
# PRESSURE & TEMPERATURE MEASURING INSTRUMENTS

PRODUCT ABSTRACT AND  
BASIC SPECIFICATIONS



**H. GURU INDUSTRIES  
INDIA**

# 1 Bourdon Type PRESSURE VACUUM & COMPOUND GAUGE



**PRESSURE  
GAUGE**

## 1. PRESSED STEEL PRESSURE GAUGE

Dial Size : 50, 63, 100 & 150 mm.  
Bourdon, Movement & Block : Non ferrous.  
Accuracy :  $\pm 2\%$ . PRESSED Steel Case & Cover.  
Connection : 3/8" BSP.  
Ranges : 1 kg/cm<sup>2</sup> to 600 kg/cm<sup>2</sup> with psi scale,  
-760 mmhg (Vacuum) and compound ranges.

## 2. DUST & DAMP PROOF PRESSURE GAUGE

Dial Size : 100 & 150 mm.  
Bourdon, Movement & Block : Non ferrous.  
Accuracy :  $\pm 1\%$  Cast aluminium case with screwed  
inner bezel of ABS plastic.  
Connection : 3/8" BSP.  
Mounting : Projection/Direct with bottom entry.  
Ranges : 1 kg/cm<sup>2</sup> to 250 kg/cm<sup>2</sup> with psi scale,  
-760 mmhg and compound ranges.

## 3. CAST ALUMINIUM WEATHERPROOF PRESSURE GAUGE

Dial Size : 100, 150 & 250 mm.  
Bourdon : Non ferrous/SS 316. Movement : Non-  
ferrous/SS 304. Block : Extruded brass/SS 316.  
Accuracy :  $\pm 1\%$ , 0.5%, Micro zero adjustment  
pointer & blow out disc.  
Case : Cast aluminium weatherproof with screwed  
inner bezel of ABS plastic.  
Connection : 3/8" BSP, 1/2" NPT, 1/2" BSP (M).  
Mounting : Direct/Projection with bottom entry &  
flush panel with back entry.  
Ranges : 0-1, 2, 4, 6, 7, 10, 14, 16, 21, 28, 42, 60, 70,  
100, 160, 200, 250, 400, 600, 1000 kg/cm<sup>2</sup>, -760  
mmhg and compound ranges, Hydraulic in Ton/□"

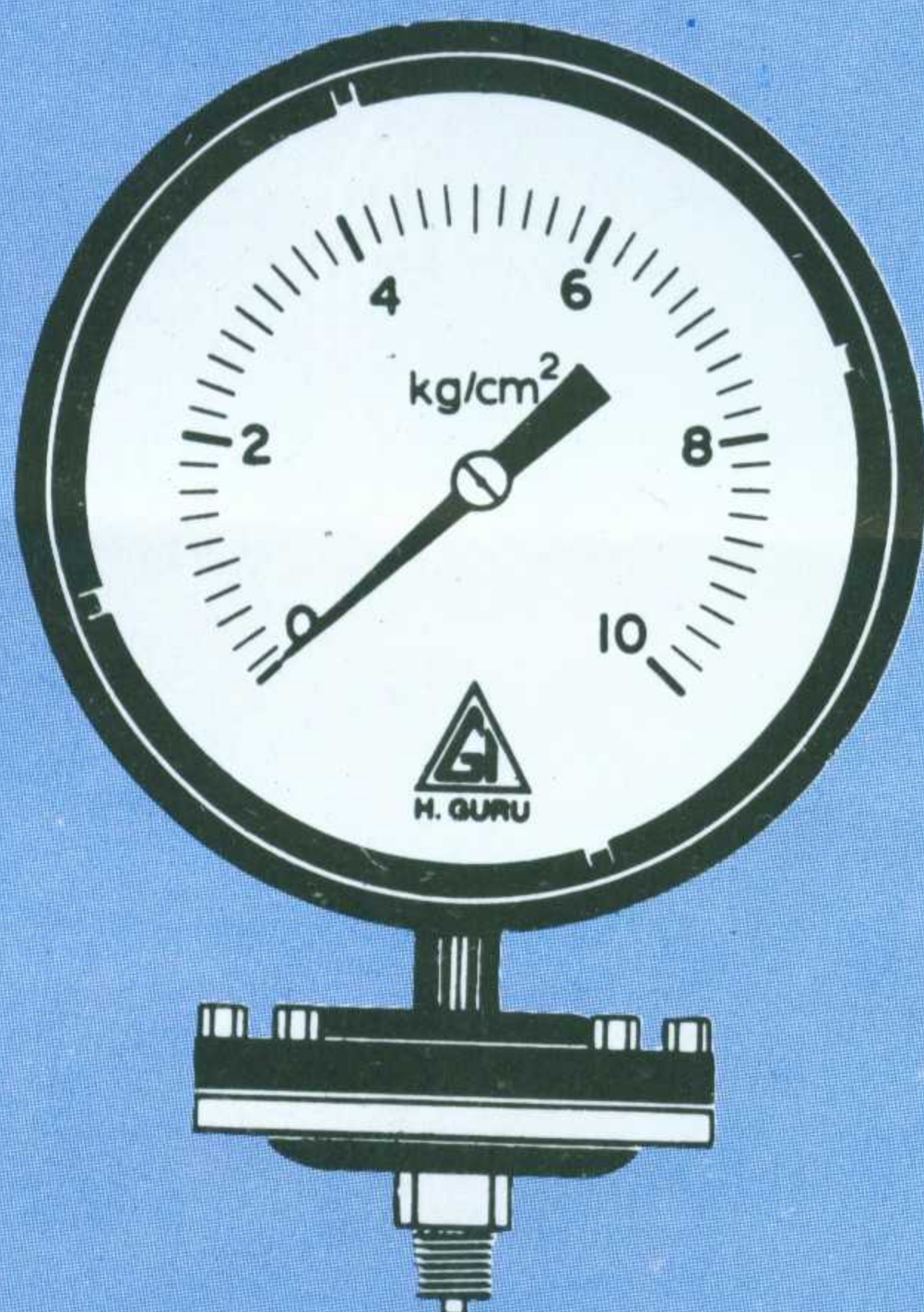
## 4. OTHER BOURDON TYPE GAUGES

Ammonia, Freon, Oxygen, Acetylene & Depth  
Gauges.

## 5. ACCESSORIES

Single & Double electric contact, Syphon,  
Gaugecock, Snubbers and Glycerine filling.

# 2 Schaffers DIAPHRAGM & CAPSULE GAUGE



**DIAPHRAGM  
PRESSURE GAUGE**

DIAL SIZE : 100 & 150 mm.  
ACCURACY :  $\pm 1.5\%$  of range span.  
SENSING ELEMENT : Spring Steel/ Stainless Steel  
Diaphragm.

DIAPHRAGM  
PROTECTION : Teflon, Silver foil (for chlorine)  
Stainless Steel.

MOVEMENT : Non ferrous/Stainless Steel.

TOP CHAMBER : Cast Aluminium/ Cast Iron.

BOTTOM CHAMBER : Cast Iron, SS 304/316 AISI.

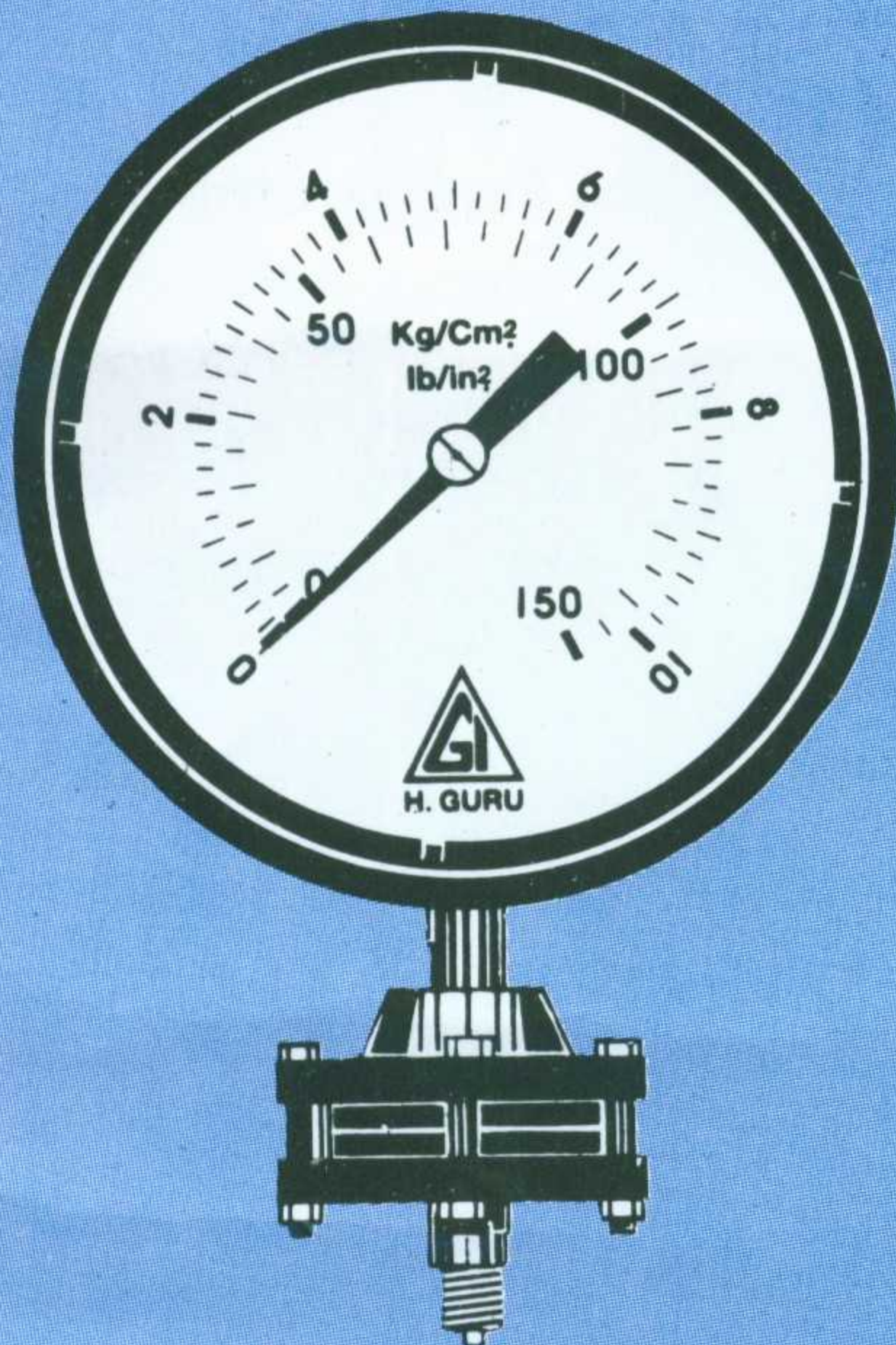
CASE : Cast aluminium/ Cast Iron,  
weatherproof stove enamelled  
black with screwed bezel.

CONNECTION : 1/2" BSP (M).

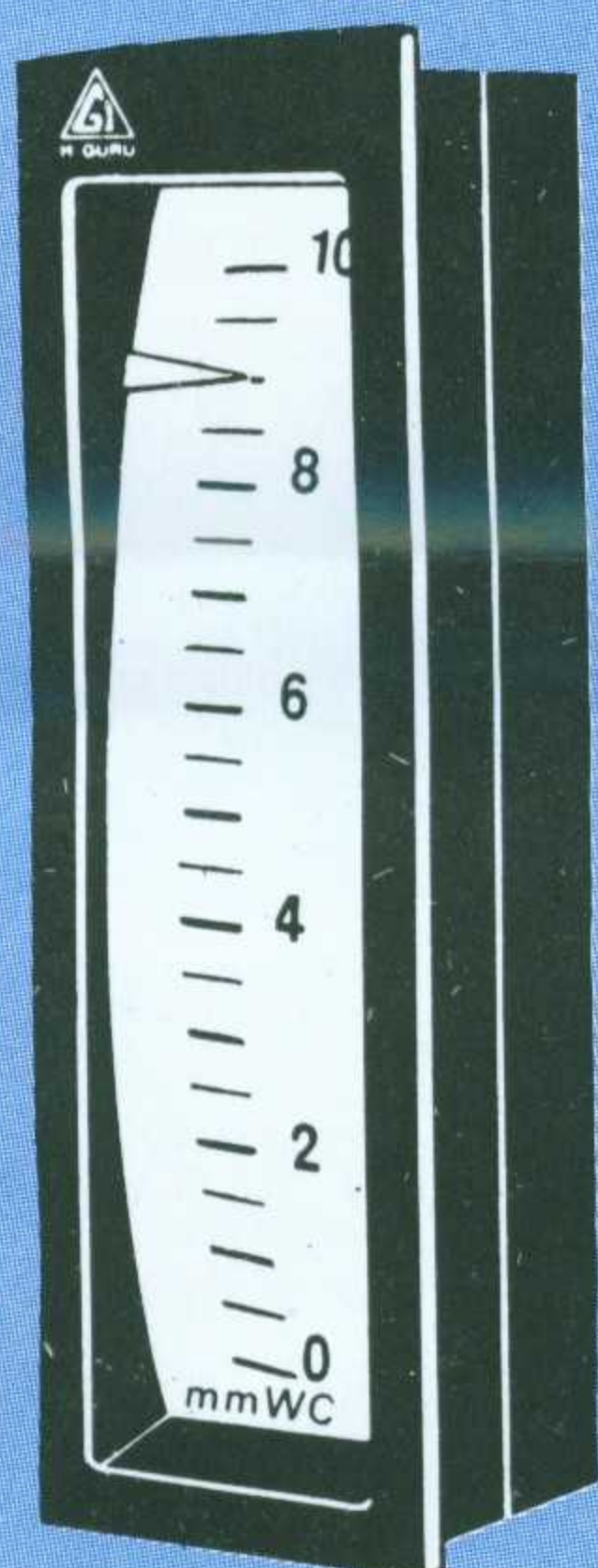
MOUNTING : Direct with bottom/ back entry.

RANGES : 1, 2, 4, 7, 10, 14, 16, 21, 25  
kg/cm<sup>2</sup>, -760 mmhg &  
Compound -1 + 25 kg/cm<sup>2</sup>.

CAPSULE : (Low pressure range) : 100, 250,  
400, 600, 1000, 1600, 2000, 2500,  
4000, 6000 mmwc.

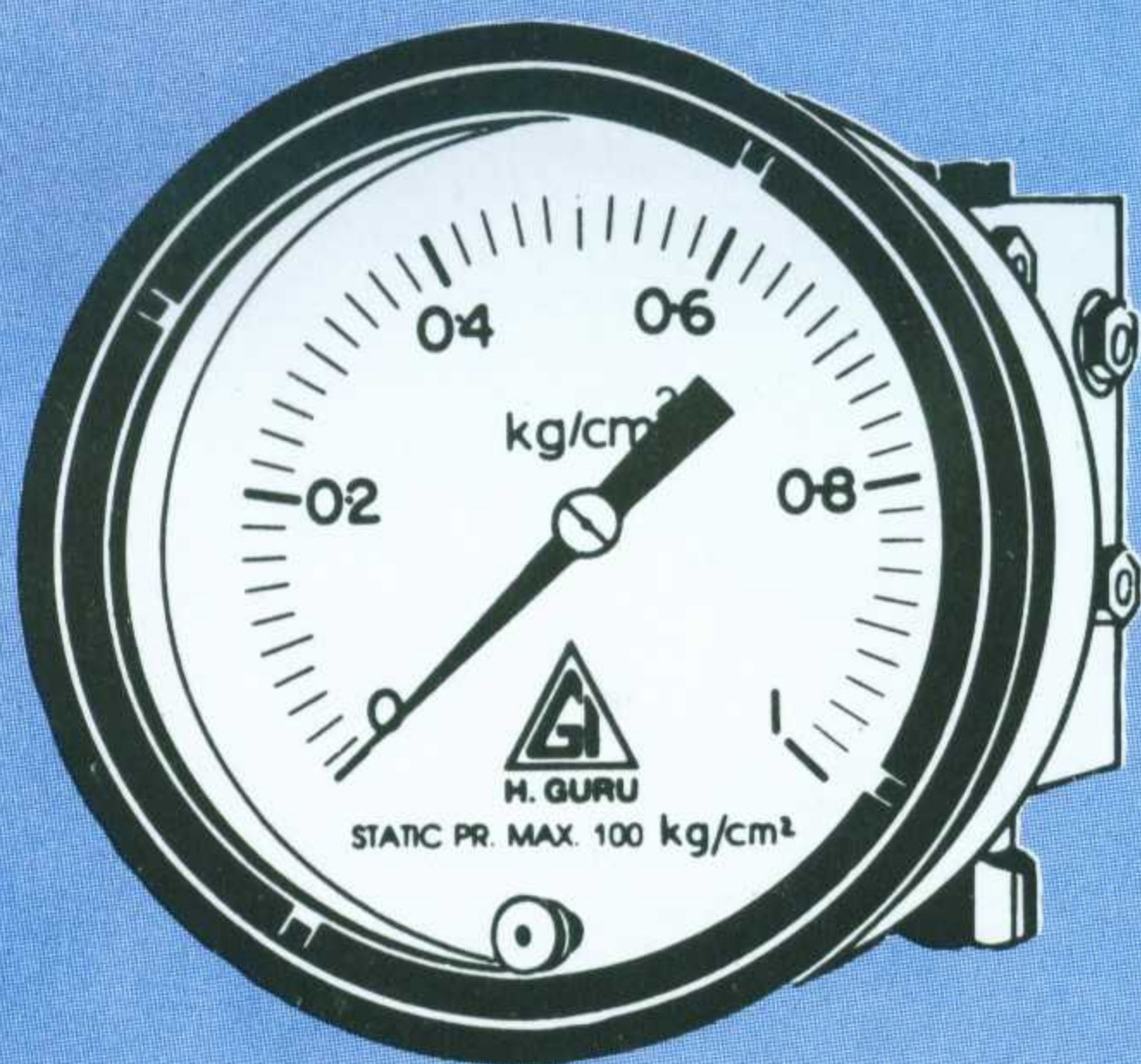
SEALED UNIT  
PRESSURE GAUGE

DIAL SIZE	: 100 mm and 150 mm.
ACCURACY	: $\pm 1\%$ of full Scale
CASE AND BEZEL	: Die cast aluminium weatherproof case as per ISA-RP 8. 1-2B, stove enamelled black with screwed type inner bezel made of ABS plastic. Optional : Epoxy grey painting and stainless steel.
BOURDON MOVEMENT	: Nonferrous, AISI 316 SS. : Brass and AISI 304 SS.
BLOCK MOUNTING	: Brass and AISI 316 SS with. : Projection with bottom entry. Direct on sealed unit with bottom entry. Flush panel with back entry.
POINTER	: Micrometer zero adjuster type.
CAPILLARY	: 3.5 mm OD solid drawn stainless steel capillary.
STANDARD RANGES:	0-1, 1-6, 2, 2.5, 4, 6, 10, 16, 25, 40, 60, 100, 160, 250, 400, 600 kg/cm <sup>2</sup> vacuum & compound.
TEMPERATURE	: Upto 150°C with Silicon oil as Sealing medium and 300°C with mercury.
DIAPHRAGM MATERIAL	: AISI 316 SS.
DIAPHRAGM PROTECTION	: Teflon coating (optional).
TOP CHAMBER	: SS 304.
BOTTOM CHAMBER:	SS 316.
CONNECTION	: $\frac{1}{2}$ " BSP & $\frac{1}{2}$ " NPT (M) optional — flange as per BS, ASA & DIN Standard.



DRAUGHT GAUGE

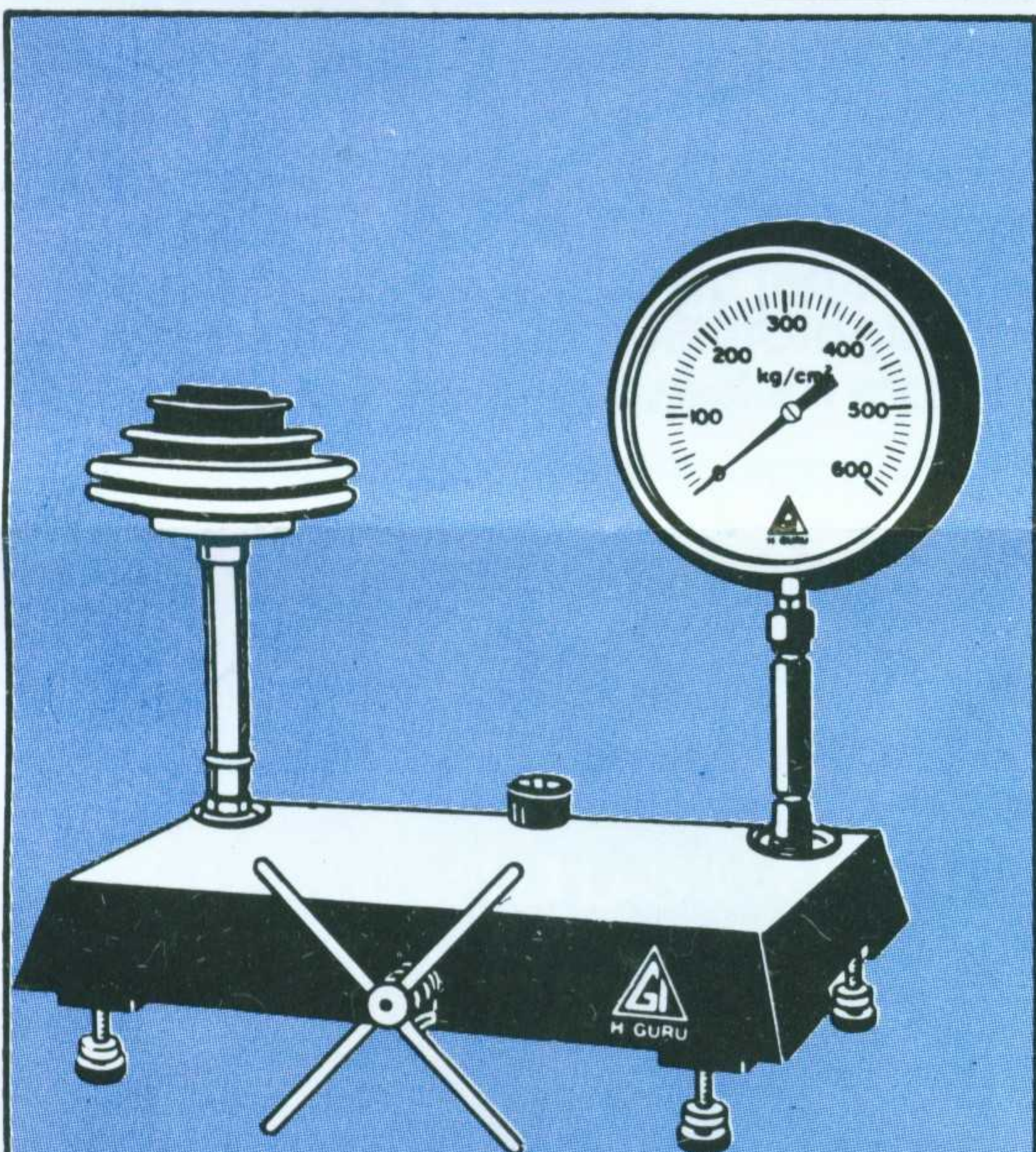
DIAL SIZE	: 150x78 mm & 200x104 mm.
SENSING ELEMENT	: Non ferrous/SS Capsule.
ACCURACY	: $\pm 1\%$ .
MOVEMENT	: Brass.
BLOCK	: Brass/SS 316.
CASE	: Fabricated Steel. Stove enamelled black.
CONNECTION	: $\frac{1}{4}$ " BSP (M).
MOUNTING	: Flush panel back entry.
DIAL ORIENTATION	: Vertical/Horizontal.
RANGES	: For pressure 0-6000 mmwc upto 0-25 mm wc. For Suction -6000 mmwc to 0, upto -25 mm wc to 0. For Compound -300 mm to + 300 mmwc upto -15 + 15 mmwc.



**DIFFERENTIAL  
PRESSURE GAUGE**

- DIAL SIZE** : 150 mm.
- STANDARD RANGES**: 0—400, 600, 1000, 1600, 2500, 4000 and 6000 mmwc. 0-0.6, 1, 1.6, 2, 2.5, 4, 6, 10, 16 and 25 bar/kg/cm<sup>2</sup>.
- MAX. STATIC PRESSURE** : 100 bar/kg/cm<sup>2</sup>.
- PROCESS CONNECTION** : 1/4" NPT (Female) Standard, other connection are available with adaptor.
- ACCURACY** : ± 1.5% of range span.
- SENSING ELEMENT** : Diaphragm of SS 316 upto 2.5 bar/kg/cm<sup>2</sup>. Above 2.5 bar/kg/cm<sup>2</sup> upto 25 bar/kg/cm<sup>2</sup> diaphragm is of alloy steel.
- CHAMBER MATERIAL** : AISI 304 SS.
- MOUNTING** : Direct with bottom entry. Flush panel with bottom entry/back entry.
- STANDARD FITMENT**: 1) Over range relief valve.  
2) External zero adjustment.
- ACCESSORIES AVAILABLE** : ● Electric contact ● Adjustable pulsation dampner ● Gauge cock ● Syphon ● Capillary ● Sealed separator (in this case no equalizer valve is provided) ● Three way manifold made of SS 304/316.

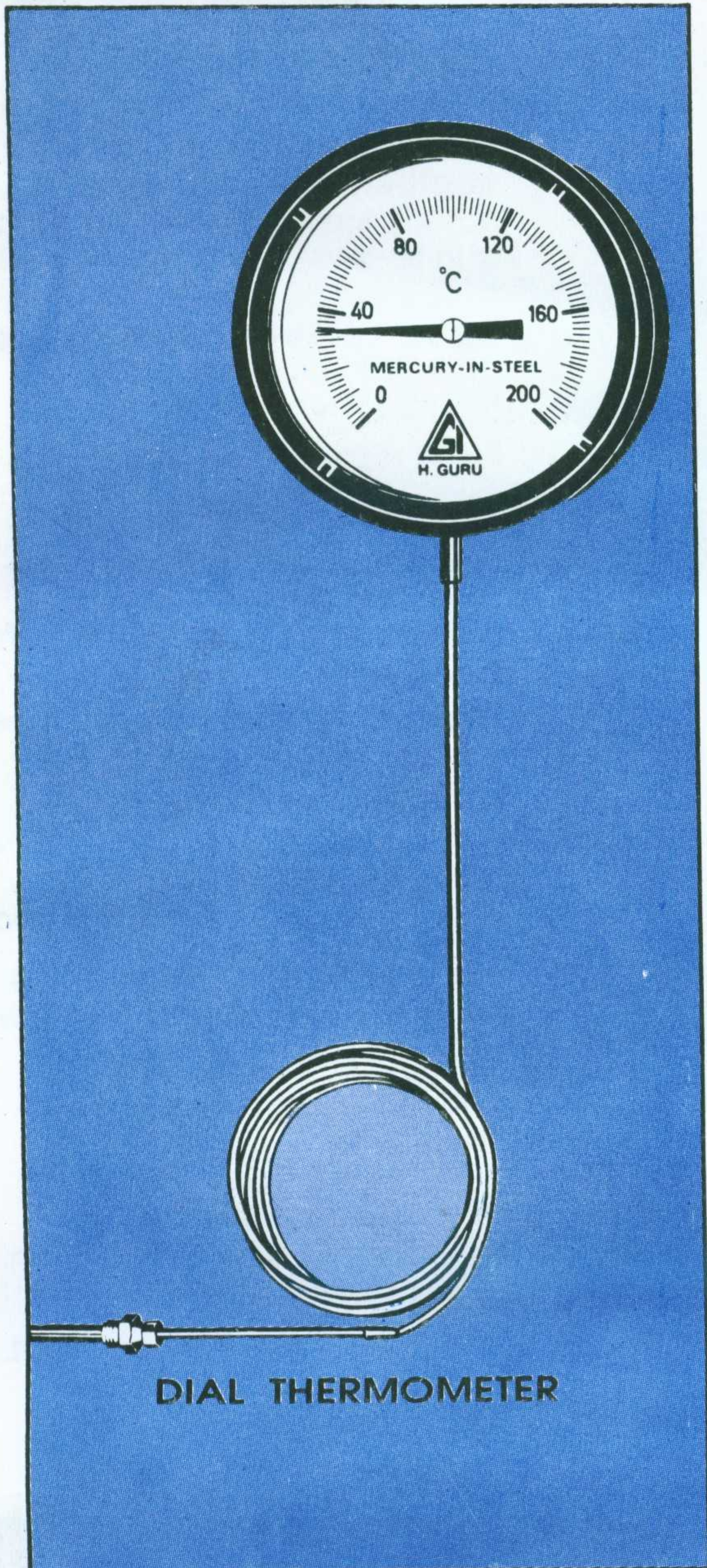
## Hydraulic & Dead Weight GAUGE TESTER



**DEAD WEIGHT GAUGE TESTER**

1. **PRESSURE GAUGE TESTERS** : Upto 1000 Kg/Cm<sup>2</sup>.
2. **VACUUM & COMPOUND GAUGE TESTERS** : -760 mmhg to 10 kg/cm<sup>2</sup>.
3. **MERCURY COLUMN MANOMETERS** : -760 mmhg to 0.
4. **DEAD WEIGHT TESTERS** : 10, 100, 600 & 1000 kg/cm<sup>2</sup>.

**We provide One Year Guarantee Period  
against any manufacturing defects.**



TYPES	: Rigid Stem & Distance (capillary).
DIAL SIZE	: 100, 150 & 250 mm.
ACCURACY	: $\pm 1\%$ of range span.
AMBIENT COMPENSATION	: With Bi-metal.
BULB STEM & CONNECTION	: Mild Steel or SS 316 material.
BOURDON MATERIALS	: Alloy Steel or Stainless Steel.
CASE & BEZEL	: Cast aluminium stove enamelled black weatherproof with inner screwed type ABS plastic bezel.
BULB DIA	: 16 mm (standard), 12 mm (on request).
STEM DIA	: 9 mm.
IMMERSION LENGTH	: Adjustable up to 300 mm.
CAPILLARY	: Copper, PVC on copper, Stainless Steel, 3 meters standard (maximum 15 meters).
CONNECTION	: 3/4" BSP (M), others on request.
MOUNTING	: 1) Vertical (bottom entry) & Horizontal (back entry) with adjustable union for Rigid Stem type. 2) Panel (surface) with bottom entry & flush panel back entry with adjustable union for Distance (capillary) type.
RANGES ( $^{\circ}\text{C}$ )	: -38+50, 50, 100, 120, 150, 200, 250, 300, 400, 500 & 600 $^{\circ}\text{C}$ .
ACCESSORIES	: Antivibration spring, Single & Double Electric contact & Thermowell.

#### OTHER PRODUCT RANGES :

Receiver Gauge, Pressure & Temperature Recorder, RTD/Thermocouple, Digital Temperature Indicator.

**NOTES:** 1. Basic Specifications of Instruments have been given above. For details of connections, scale ranges, mountings, immersion lengths and types of capillaries for temperature instruments are available on request.

2. As new ideas and technologies are developed, improvements are made in H. Guru Industries. Instruments supplied may therefore vary in details from the ones specified above.

3. Our Pressure Gauges are manufactured as per BS 1780 Part 2 : 1971/IS 3624-1966.

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