



**GOVERNMENT ENGINEERING COLLEGE, DAMAN**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**MECHANICAL MEASUREMENT AND METROLOGY LABORATORY**

**DIGITAL VERNIER CALLIPER**



**Basic Details: -**

LCD Display

Range 0-150 mm

Least Count – 0.001



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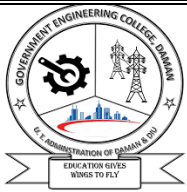
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**INSIDE MICROMETER**



**Basic Details: -**

- Measuring Range: 25-50 mm.
- Scale: Metric, Accuracy: 0.01 mm.



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**BEVEL PROTECTOR**



**Basic Details: -**

Measuring Range (mm): 0-150,

Range: 0-360 Degree,

Least Count: 5 Min,

Material: Stainless steel, accurately machined surface for precise readings With Magnifying glass and acute angle attachment, Two Blades 150mm and 300mm



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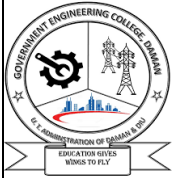
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**INSIDE MICROMETER**



**Basic Details: -**

- Measuring Range: 5-30 mm
- Least Count: 0.01 mm



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**DIGITAL TACHOMETER**

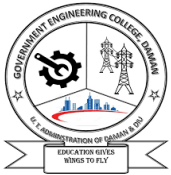


**Basic Details: -**

Contact Type

Range : 0-10000 RPM

LCD Display



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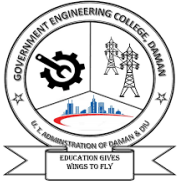
**MICROMETER**



**Basic Details: -**

Range (mm): 0-25 mm

Least count: 0.01mm,



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**DIGITAL MICROMETER**



**Basic Details: -**

Range: 0-25 mm

Least count: 0.001mm,



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**INFRARED THERMOMETER FLUKE**

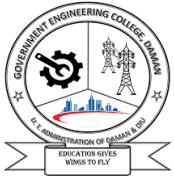


**Basic Details: -**

Infrared thermometer  
Non contact type

Range -150 to 1000 °C





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**SLIP GAUGE BLOCK**

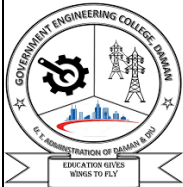


**Basic Details: -**

Slip Gauge Set of 112 Pieces,

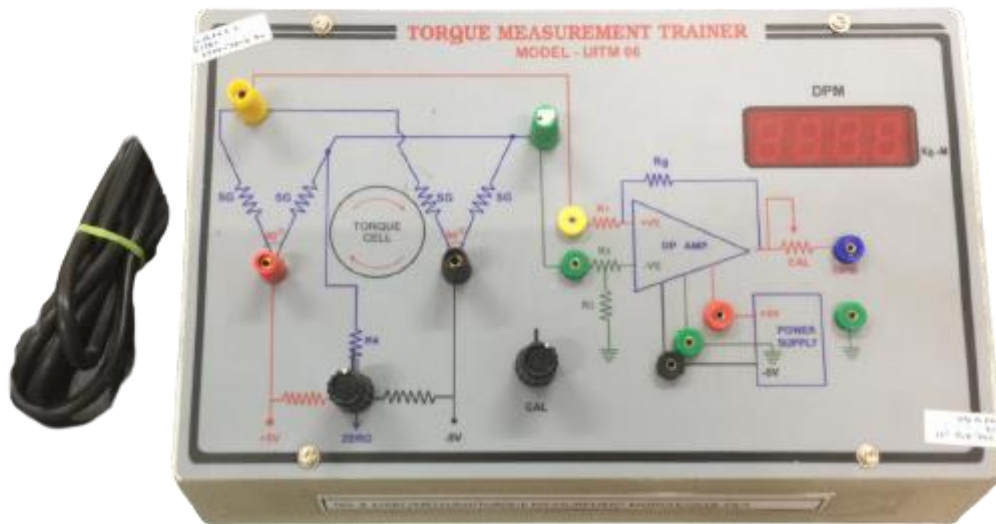
Grade-0 standard Slip gage

Size 0.5 – 100 mm



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**TORQUE MEASUREMENT**



**Basic Details: -**

Rosset gauges with 15-17 mm MS bar (30 cm) with loading lever attached.

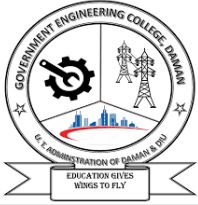
Loading lever with loading at 250 mm, 375 mm, 500 mm with 0.5kg 1no ,0.2 kg 1 no ,1 kg 1no.

3 ½ digit digital torque indicator with Min pot with coarse and fine balance with Min pot as 10K,

10 turns, course pot 100k,1 turn, gain pot 100k,4 no of Op-07, card, H connectors gold plated,

Wheatstone's bridge with good quality instrumentation amplifier, +5V inbuilt supply

MS powder coated box with polycarbonate front panel.



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**THREAD PITCH GAUGE**



**Basic Details: -**

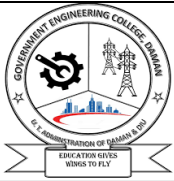
Material Steel (corrosion resistant)

**Accuracy**

0.25 ~ 1.3 ( $\pm 0.03\text{mm}$ )

1.4 ~ 7.0 ( $\pm 0.05\text{mm}$ )

7.5 ~ 11.5 ( $\pm 0.07\text{mm}$ )



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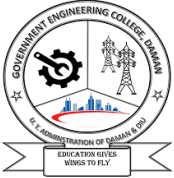
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**FEELER GAUGE**



**Basic Details: -**

Feeler/Thickness Gauge 0.05 – 1.0 mm with 28 Leaves,  
Graduations 0.05 – 0.15 mm by 0.01 mm &  
0.2 – 1.0 mm by 0.05 mm



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**DIAL INDICATOR**



**Basic Details: -**

Range of 0.25 to 30 mm

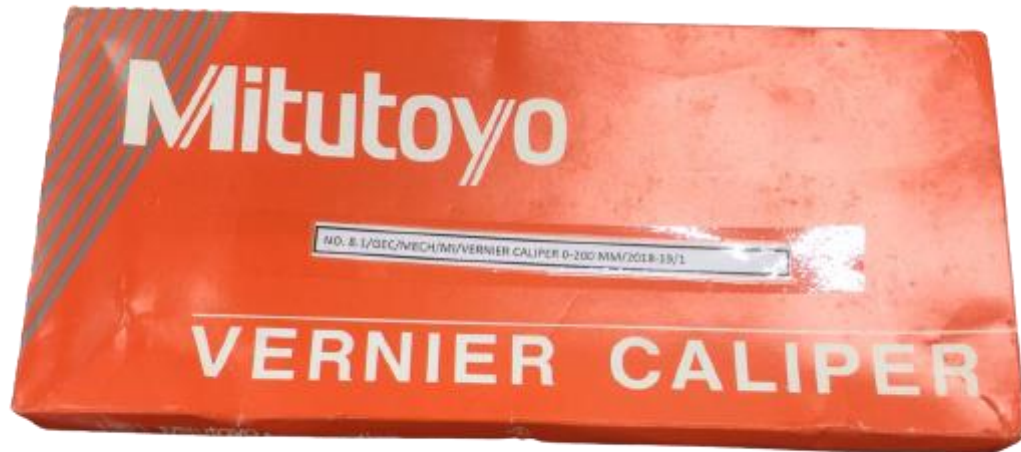
Least Count - 0.001 mm



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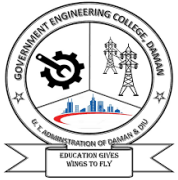
**VERNIER CALLIPER**



**Basic Details: -**

Range 0-300 mm

Least Count – 0.01



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**DEPTH GAUGE**



**Basic Details: -**

Range (mm): 200 mm

Least count: 0.01mm

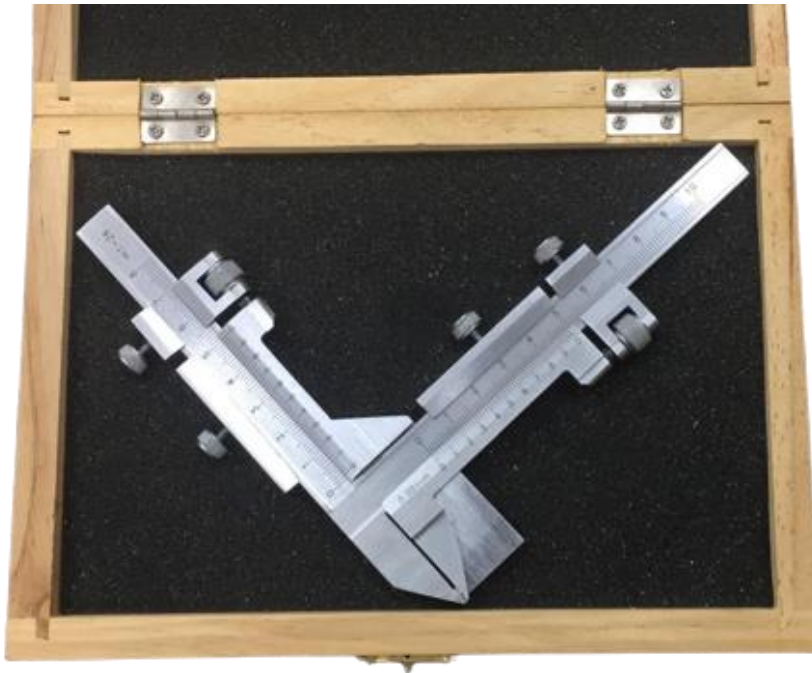
Scale: Metric With Ratchet Stop, Rod Pieces Carry Box, setting Standards



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**GEAR TOOTH GAUGE**



**Basic Details: -**

Range mm: 1-100mm,  
Resolution (mm): 0.02





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**PROFILE PROJECTOR**



**Basic Details: -**

**Table Type & Size:** Al. 125 X 125mm

**Effective Table Area:** 110 x 110mm

**X-Y Range:** 25 x 25 mm.

**Measuring Unit:** Standard Micrometer Heads 0-25mm

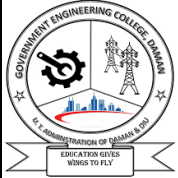
**Resolution:** 0.01mm

**Rotary Measuring Stage:** 360° graduated with vernier 6 minutes.

**Stage Glass:** Diameter 62mm

**Maximum Workpiece Height:** 100mm

**Dimensions:** 55 x 35 x 86 cms.



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**LINEAR VARIABLE DIFFERENTIAL TRANSDUCER**



**Basic Details: -**

- Linear variable differential transformer in non metallic structure
- Micrometer attachment with mechanical displacement system
- Displacement range 0-10 mm
- 3.5 digit DPM as displacement indicator



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**DEAD WEIGHT PRESSURE GAUGE TESTER**



**Basic Details: -**

Range: 0 - 25 Kg/Cm<sup>2</sup>. Tester provided with a gauge connector of ½ “ BSP of complete with one set of weights, Oil holder, wheel of pressure adjustment with valves to oil holder, 1 no of Pressure gauge , powder-coated body with height adjustment bolts below



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**PRESSURE MEASUREMENT APPARATUS**



**Basic Details: -**

A small storage tank with bourden's tube pressure gauge 0-5 kg/cm<sup>2</sup>.

Bourdon tube visible pressure gauge 1no,

Reference pressure gauge 1 no, quick connectors, Pu piping, foot pump, Pressure release valve, Valve for inlet pressure control, 3/8" T junction, with MS powder coated base