



Puja Engineering

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The coating may be of materials like:

- as **Plating** : Gold, Copper, Zinc, Tin, Chromium, Hard Chromium, Lead etc.
- as **Coating**: Paint, Resinous coating.
- as **Lining**: Resin, Rubber, Fibre Glass.
- as **Film**: Plastic, Metal foils.
- **Parkerising**
- **Metalising**
- **Insulation coating**.



The magnetic base may be of materials like;

- Iron
- Nickel
- Cobalt
- Magnetic Stainless Steel etc.

Specifications	Accuracy as % of obtained reading (or $\pm 2.5 \mu$).	Min. base thickness mm	Min. area of measurement mm x mm	Min. radius of curvature mm	Dimensions mm	Weight gms.
Coatmeter	10	1.5	20 x 50	50	H 80 W 60 B 30	300
Coatgauge	15	1.5	10x 10	20	D. 24 L 160	50
Coatest	15	1.5	10x 10	20	D. 24 L 160	50

Salient Features :

- Dial type Direct reading.
- Portable.
- Reading can be locked.
- Testing foils of different thickness are provided.
- Can be used in all positions viz. vertical, horizontal or in an incline plane.
- For precise reading mirror is provided below scale.
- Supplied in an attractive case and with instruction manual.

Operating principle : When a magnetic base is brought near to 'U' magnet the leakage magnetic flux gets changed. This change is measured by the deflection of a magnetic needle placed in the flux area. The deflection on needle is calibrated to indicate the air gap (non-magnetic coating) between 'U' magnet & magnetic base.

Easy to operate: After presetting the instrument place it on the job, press a button and you get the reading.

In a short time number of jobs can be checked.



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Measures Coating Thickness on metals.

- **Models M2s, M6s & M12s**
For Non-magnetic coatings on magnetic base. Ideal for Coatings on MS.
- **Model C2s & C4s**
For Non-conductive coatings on conductive base. For Anodizing and Coatings on Brass & Aluminium.
- **Model (M&C)2s**
Combined Model of M2s & C2s.



(Number of readings, average, Std. deviation, max. & min.) are updated with every reading and displayed simultaneously. It helps to decide how many readings are to be taken. Continue taking readings till you start getting reasonably consistent statistics.

Third party **Test Report** traceable to international standards.

Interchangeable probe sleeve tip(A) having 3 points for flat & spherical surface.

Interchangeable probe sleeve tip(B) having **V block** for cylindrical surfaces.

Auto-Off. If instrument remains unused for 2 minutes, it is switched off automatically. It saves battery.

Last calibration retained and Auto-retrieved.

Manipulation of readings not possible.

Models M have Hard-Chrome Plated Probe tips and Models C have Probe tips of Wear Resistant Material.

Spring loaded probe sleeve with tip ensures probe is held perpendicular.

A beep sound is heard when reading is obtained.

Low battery indication - Display shows **BAT** continuously.

- Test Base - To check satisfactory working.
- Testfoils - For calibration.
- Maximum number of readings - 254.
- Working Temperature - 0 to 50 degree C.
- Supply Dry Battery - 9V (6f22).
- Display Digit Height - 5.6 mm.
- Instrument Size - 127x83x41 mm.
- Instrument Weight - 300 gms.
- Probe wire Length - 1000 mm.
- Socket for AC Adaptor.
- Wooden Case.

Extra Accessories :

1. Ac Adaptor.
2. Handsfree Pouch - held by waist band & neck sling.

On Request, instrument mfd. with :

1. Carbide/Ceramic Probe Tip (Only With Models M).
2. Angle probe with Extension Rod of length mm 100/200/300.