SIDET-II is a versatile and sophisticated instrument for measurement of coatings of metals as well as alloys applied on substrate by electroplating or other methods. It fulfils a long standing need on the Indian market for low cost, reliable and accurate coating thickness measuring instrument.

SIDET-II works on coulometric principle. SIDET-II is a microcontroller based system hence it is more flexible in design and need not required any complicated control option, menus, and settings to carry out measurement. It has high accuracy & repeatability. It can measure thickness on thick and flat surfaces.

SIDET-II has unique feature of Plate / Base combination (PBC) plug. Different PBC plugs are supplied for measurement of different plating. Use of pre-tested, imported, 2.5mm dia gasket supplied with SIDET-II ensures accurate result.

<table>
<thead>
<tr>
<th>METALLIC COATING</th>
<th>BASE METAL / MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CADMIUM</td>
<td>Aluminium, Brass, Copper, Nickel, Steel</td>
</tr>
<tr>
<td>CHROMIUM</td>
<td>Aluminium, Brass, Copper, Nickel, Steel, Stainless steel</td>
</tr>
<tr>
<td>COPPER</td>
<td>Aluminium, Iron, Nickel, Non-metals, Steel</td>
</tr>
<tr>
<td>LEAD</td>
<td>Aluminium, Brass, Copper, Steel</td>
</tr>
<tr>
<td>NICKEL</td>
<td>Aluminium, Brass, Chromium, Copper, Steel</td>
</tr>
<tr>
<td>SILVER /THIN SILVER</td>
<td>Copper, Brass, Nickel, Tin</td>
</tr>
<tr>
<td>TIN</td>
<td>Aluminium, Brass, Copper, Nickel</td>
</tr>
<tr>
<td>ZINC</td>
<td>Aluminium, Brass, Copper, Nickel, Steel</td>
</tr>
</tbody>
</table>
Specifications (SIDET-II)

- **Measurement Range**: 0 to 99.99 microns
- **Accuracy**: For 2.5mm Dia Gasket within +/- 0.75 microns for plating up to 15 microns & +/- 7.5% for 15 microns and higher plating
- **Readability**: 0.1 micron
- **Gasket Diameter**: 2.5 mm
- **Area of Deplating**: Approx. 5mm² Circular with 2.5 mm Diameter gasket
- **Electrolyte Required**: Less than 2cc
- **Power**: 240V AC, 50Hz, Single Phase, 12VA
- **Main frame**: 29 L*25.8 W* 12H cm
- **Weight**: SIDET-II = 2.95Kg
  Stand Assembly with wooden block = 2.15 Kg
- **Electrolyte**: Formula for different plate/base combination provided in manual.

*Due to continuous R&D, specifications are likely to change without notice*

Manufactured by:
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