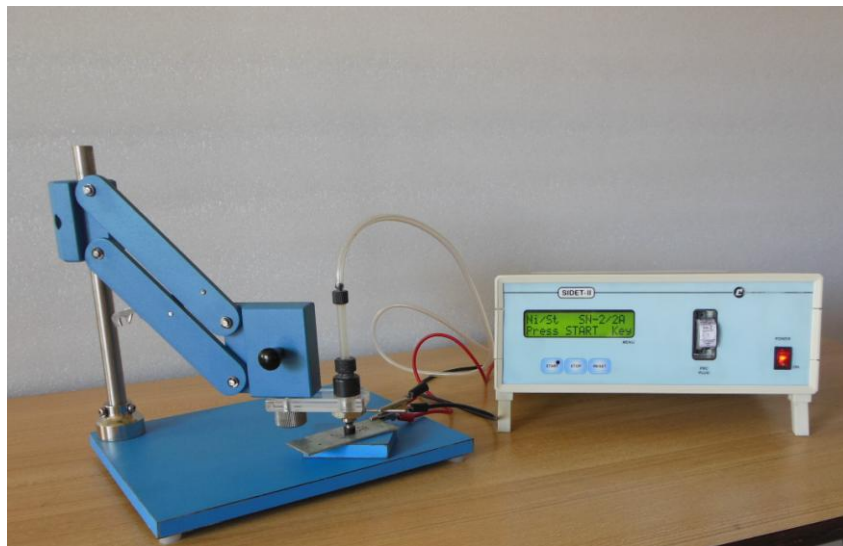


# Model SIDET - II

## Simple Destructive Tester



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 fulfills 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.

METALLIC COATING	BASE METAL / MATERIAL
CADMIUM	Aluminium, Brass, Copper, Nickel, Steel
CHROMIUM	Aluminium, Brass, Copper, Nickel, Steel, Stainless steel
COPPER	Aluminium, Iron, Nickel, Non-metals, Steel
LEAD	Aluminium, Brass, Copper, Steel
NICKEL	Aluminium, Brass, Chromium, Copper, Steel
SILVER /THIN SILVER	Copper, Brass, Nickel, Tin
TIN	Aluminium, Brass, Copper, Nickel
ZINC	Aluminium, Brass, Copper, Nickel, Steel

# Specifications (SIDET-II)



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