

# PTH THICKNESS OF PCB BOARD AND FLAT COPPER LAYER SURFACE HAND-HELD PTH-1 / ITM-52

Detecting flaws in PCBs must be done sooner, not later, That's why developed the PTH-1 / ITM-52, a portable measurement tool designed for measuring through-hole copper plating thickness in-process.



## PTH-1 / ITM-52 SPECIFICATIONS

Physical technique:	Eddy current
Largest measurable board:	Unlimited
Thinnest measurable board:	1.0mm (40 mil)
Thickest measurable board:	2.4mm (96 mil)
Probe insertion:	Manual
Auto board thickness:	None
Smallest measurable hole:	Ø 0.45mm (18 mil) *
Largest measurable hole:	Ø 2.0mm (80 mil) *
Measuring range:	2µ - 100µ (0.1 mil - 4 mil)
Hole diameter range:	<b>Probe EP-30</b> 0.8 - 2.0mm (32 - 80 mil)
	<b>Probe EP-25</b> 0.6 - 0.8mm (24 - 32 mil)
	<b>Probe EP-20</b> ■ 0.45 - 0.6 mm (18 - 24 mil)
Flat copper layer surface:	<b>Probe CSP-100</b> ■ 15µ - 100µ (0.6 mil - 4.0 mil)

\* Measurement of holes less than 30mils or large than 60mils may be using special calibration mode.

■ *Optional.*

## A faster and easier testing method

- Best for measure PTH thickness of signal layer, double layer and multi layer PCB Board.
- Speediness measurement of PTH thickness even if etched or unetched board and tin plated.
- 0.45mm (18 mil) smallest measurable hole. (Optional) ■
- Duo feature, Plating Copper Thickness in PCB Through Holes and Flat Copper Layer Surface. (Optional) ■
- Hand-held LCD with sure high-resolution, back-lit graphics LCD with sure touch keypad.
- Battery-powered and rechargeable with AC adapter.
- Durable anti-corrosive probe tip available for measures wet boards.
- Unique, patent-pending axial probe coil configuration creates less sensitivity to surface copper thickness or pad size on etched boards compared to other systems.
- Built-in functions include full descriptive statistics, histogram and capability indices.
- Stores up to 15,000 measurements with RS-232C downloading capability.

### ◆ PTH-1 Function and measuring range

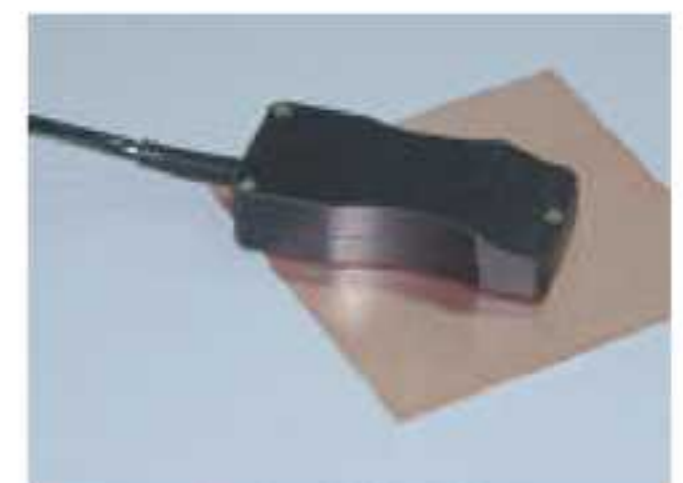
1. PTH thickness of PCB Board, from 2µ - 100µ (0.1mil - 4.0 mil) [EP-25/30 Kit]

### ◆ PTH-1 Extra function (Optional) ■

1. PTH thickness of PCB Board, from 2µ - 60µ (0.1 mil - 2.4 mil) [EP-20]
2. Flat copper layer surface, from 15µ - 100µ (0.6 mil - 4.0 mil) [CSP-100]



Probe EP-20,  
for extra smallest PTH thickness



Probe CSP-100,  
for flat copper layer surface

Website : [www.eastco-hk.com](http://www.eastco-hk.com)

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