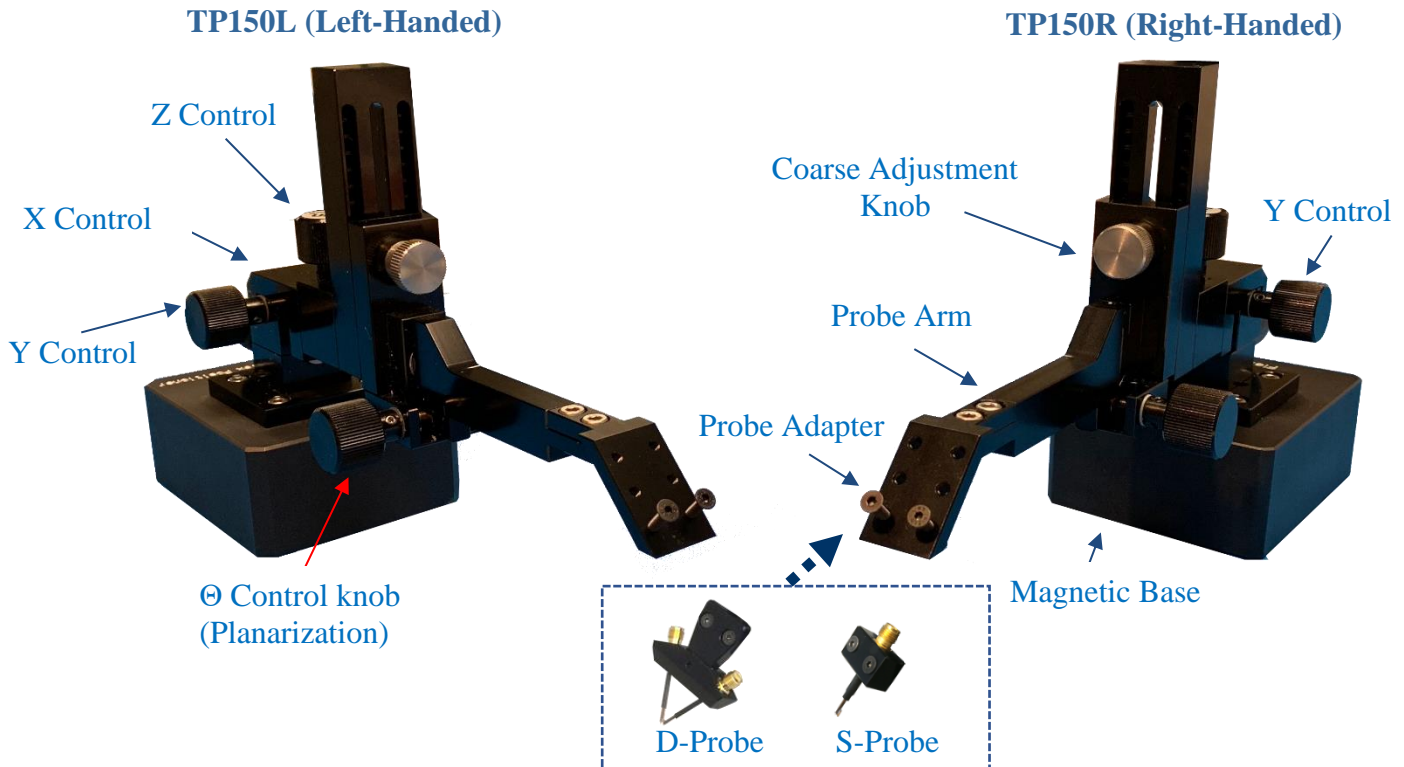


Precision Positioner TP150

The Compact, versatile, high-precision positioner for RF & SI probing



Precision Positioner TP150

TP150 is designed to hold PacketMicro's single-ended S-Probes (up to 30 GHz) and differential D-Probes (up to 40 GHz). It allows a user to probe printed circuit boards with small geometry precisely. Its high-precision XYZ stage and long probe arm with planarization (θ) control make it ideal for probing with rugged PacketMicro probes in a wide range of RF and signal-integrity measurements. The θ knob controls planarization angle to make the probe pins parallel to the board for good probe contact. By loosening the Height Adjustment Knob, the Probe Arm can move up and down in 14 coarse steps for fast adjustment of probe-tip height.

Superior Usability

- High-precision XYZ-stage and θ control allow probes to land on test points accurately and firmly.
- Universal probe holder grips most Agilent and Tektronix test probes.
- Front probe arm can be adjusted to probe extra tall circuit boards or boards with components on both sides.
- Magnetic base allows easy and quick rearrangement of test setup to probe large and small circuits.
- High-quality material and precision design ensure accurate and repeatable measurements.

TP150 Specifications

XYZ-axis travel: 16 mm with 500 mm/turn (50 TPI)

Height coarse adjustment: 5 mm/step (14 steps)

Resolution: 5 μ m

θ (Planarity) control: $\pm 10^\circ$ with 2.5 $^\circ$ /turn (0.025 $^\circ$ resolution)

Length: 10.5"/266mm, **Width:** 3.0"/76 mm, **Height:** 6.1"/155 mm

Weight: 5.96 lb./2.7 kg

Base: Metal with magnets and anti-static rubber

Part Number:

- TP150R: Right-handed TP150
- TP150L: Left-handed TP150

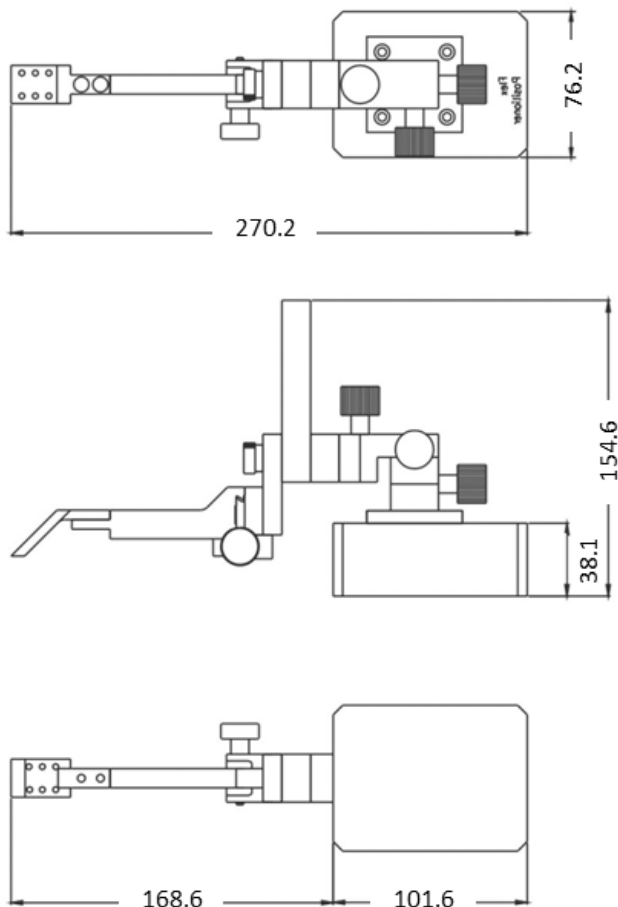
Other TP150 Configurations



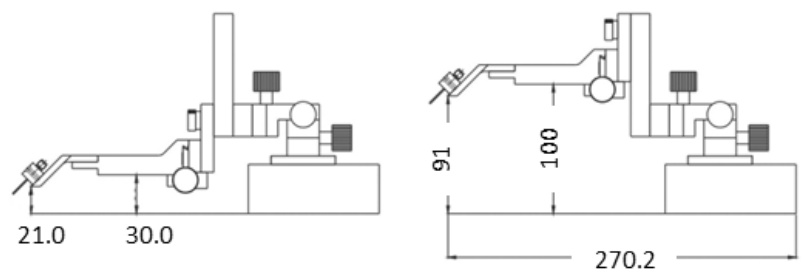
Probe arm can be reconfigured to reach very low and very high positions.

TP150 for RF and Power-Integrity Probing

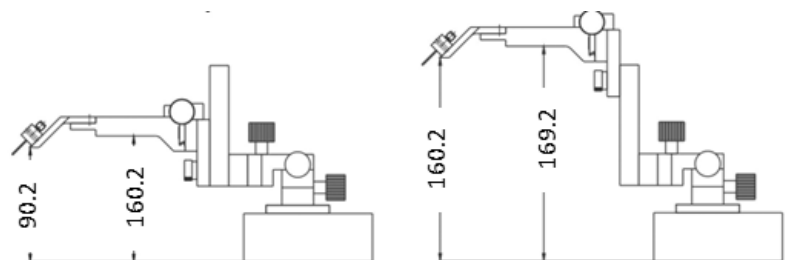
TP150 Mechanical Dimensions (Unit: mm)



Probe arm in up position



Probe arm in reverse position



Total Coarse Height Adjustment: 70 mm
Each Step: 5 mm

About PacketMicro

PacketMicro, headquartered in Silicon Valley, provides one-stop shopping for your needs in PCB probing and signal-integrity analysis. Its product offering includes a wide range of rugged RF probes up to 40 GHz, patented probe positioners, DIY bench-top probe stations, flexible phase-stable RF cables, digital microscopes, and AITT signal-integrity analysis tools for interconnect de-embedding and PCB material extraction. PacketMicro customers include many Fortune 100 companies in 30+ countries. For more information, please visit www.packetmicro.com.