

ABSOLUTE EMC Monopole Probe Stand



The original **ABSOLUTE EMC MP-Probe Stand** is explicitly designed for the EMC market. A low-cost and easy-to-use probe stand with no metallic parts. The EMC Monopole Probe Stand is easy to assemble. It is fully adjustable in height with the center mast section. Materials used are low permittivity allowing for use in most EMC applications to hold antennas, cameras, RF field probes, cables off the floor, and other support possibilities. No metal is used in any part of the stand. The field probe holders use PTEG plastic screws to hold the probe in place. The MP Probe Stand design allows for a small footprint for easy maneuvering around and reduces tripping caused by tripods. If any plastic pieces break, they will be replaced free of charge for the product's life.

The EMC Monopole is 3D Printed with PLA plastic and uses 1" hardwood dowels for the structure. The kit includes the (1x) **MP-Section**, (1x) **MP-Extension**, (1x) **MP-Base**, (4x) **MP-Probe Adaptor**, (1x) **MP- Ballast Bag**, (1x) **TP-Leveling Bubble**, and (7x) 1" Hardwood dowels 3 ft long. Or you can choose to purchase pieces and build the antenna monopole yourself. Any 1" wood dowel can be used with the system. 3 ft dowels are standard with a complete kit order. Dowels are available at most lumberyards. Dowels can be cut down for a shorter height, or longer lengths can be purchased for an application where more height is needed.

**All 3D Printed products from Absolute EMC come with an unlimited warranty. If any items become worn out or become damaged, we will replace them free of charge.



Specifications:





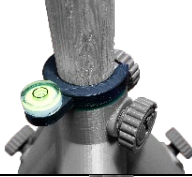



Material:	Plastic PLA (Polylactic acid) Hardwood Dowels
Loading weight:	~20 lb. *
Color:	Green and purple Other colors are available on request
Size with 3-foot dowels	
Height:	40.5" – 72" (103 – 183 cm)
Width:	15.5 x 15.5" (40 x 40 cm)
Weight:	8.7 lb. (4.4 kg)


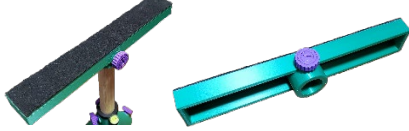


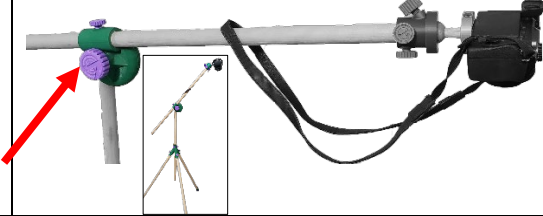


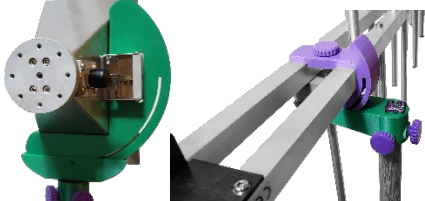
Relative Permittivity: $\epsilon_r = \sim 2.0 - 3$

Antenna Mounting: ¼" – 20 screw thread
(choose one) 5/16" – 18 screw thread
3/8" – 16 screw thread

*Use good engineering judgment for weight loading. It is not designed for heavy antennas/loads or where the center of gravity is overhanging far from the center.

Individual Items:

<p>MP-Section</p>		<p>Included in Field Probe Kit. The top section of the Monopole. Holding the 4x 1" wooden dowels</p>
<p>MP-Base</p>		<p>Included in Field Probe Kit. The base is made up of a polyurethane-coated piece of plywood ruffly 15" x 15" x 3/4" w/easy slide pads on the bottom to help with saying level to the floor and a plastic base for 3x 1" dowels.</p>
<p>MP-Extension</p>		<p>Included in Field Probe Kit. An extension piece to use another set of dowels (3 more 1") to extend the height. Add 36" (91.5 mm) to the height</p>
<p>MP-Probe Adaptor</p>		<p>4x Included in Field Probe Kit. Attaches with a thumbscrew to 1" wood dowels, extend out 5-3/4" (145mm) from the dowel Includes: 1/4"-20 plastic screw for probe mount. A 2-3/4" (70mm) extension is provided to offset the probe if positioning where MP-section or MP-Extension is located</p>
<p>TP-Leveling Bubble</p>		<p>Included in Field Probe Kit. It is used to see the level of the tripod. Clips to 1" center dowel and rotates to any side for easy viewing.</p>
<p>MP- Ballast Bag</p>		<p>One is included with Field Probe Kit. This can be filled with a weighted material (e.g., Sand) to make the base heavier. It may not be needed in all cases. It is dependent on user loading.</p>
<p>TP-Head</p>		<p>One is included in Field Probe Kit. It sits on top of a 1" wood dowel Select a size (1/4" – 20, 5/16" – 18, 3/8" – 16)</p>
<p>TP-22mm Antenna (Optional)</p>		<p>Antenna adaptor for 22mm antenna tube mount. It sits on top of a 1" wood dowel</p>

<p>TP-Ball Head (Optional)</p>		<p>Ideal for Camera positioning. Full rotation to 90° polarization ¼" – 20 thread screw. For loads less than 2lb. The arm can be positioned after the head is screwed to the camera, allowing it to be placed to the rear.</p>
<p>TP-Cable Support (Optional)</p>		<p>It can be used to support cables coming out of antenna or EUT, to keep them up from the floor, or to reduce strain on connectors. It sits on top of a 1" wood dowel and includes Velcro straps 10-¼" x 1-½" (28 x 3.8 cm)</p>
<p>EMC EPS Block 1M</p>		<p>Use with 1 meter EPS support for longer support.</p>
<p>TP-Item Tray (Optional)</p>		<p>A tray to hold items on top of the tripod. It sits on top of a 1" wood dowel and includes Velcro straps. 8" x 8" (20 x 20 cm).</p>
<p>MP-Rotator (Optional)</p>		<p>For rotating the camera or object over the top of the test bench to view the top of EUT/DUT. Freedom to rotate 360 deg in all directions.</p> <ul style="list-style-type: none"> -Use to help hold up cables. -Use to add a second mount to any tripod/monopole
<p>TP-Bag (Optional)</p>		<p>Travel bag for storing and carrying the tripod/monopole size: 39" x 7" (will not fit Monopole Base)</p>
<p>TP-Bag Deluxe (Optional)</p>		<p>Wheeled travel bag for storing and carrying the tripod/monopole and accessories 40" long (36" x10" x12" internal) large enough to hold additional EMI test gear and accessories. Padded with Velcro partitions (will not fit Monopole Base)</p>
<p>Custom Antenna Adaptors</p>		<p>Designed for your antenna to rotate on center, at the center of gravity. Designed from pictures and measurements done on your end. 6 months of free updates if the design is not acceptable.</p>
<p>Other?</p>	<p>Do you have an idea for an accessory to make the tripod more versatile? Please let us know!</p>	