

Board Marker Probe

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The BMP-1 Board Marker Probe patented design is for installation on bare board or loaded board test fixtures. When your tester is equipped with the appropriate electronics and software, the BMP-1 scribes a permanent .050" circle on every "passed" PCB tested. Boards that fail the test are not marked. The risk of human error is eliminated in PCB testing and sorting.

The unit requires less than .500" of fixture area. It is designed to mark board areas of bare glass (FR4), solder mask over glass or copper, or bare tinned copper.

The BMP-1 includes a mounting receptacle with press ring, and a motor/transmission assembly. It can be easily removed from the receptacle for use in other fixtures. Spare receptacles and tip replacement assemblies are available. The thread between receptacle and housing is 7/16-20 UNF.

Consult factory for information on electronic and software requirements, and replacement receptacles and tip assemblies.

Probe Specifications BMP-1

Mechanical

Full Marker Tip Travel	.062 (1.57)
Recommended Working Travel	.050 (1.27)
Direction of Rotation	CCW
Scribed Diameter	0.50 (1.27)

Electrical (Operating Conditions)

Current Rating	50 mA
Voltage Rating	15 VDC
Recommended Duty Cycle	1 sec. On (min.), 5 sec. Off

Materials and Finishes

Plunger Tip	Carbide
Receptacle	Stainless steel

Mounting Hole Size

.468/.469
(11.89/11.91)

To Order

Specify model number of components or tools you require:

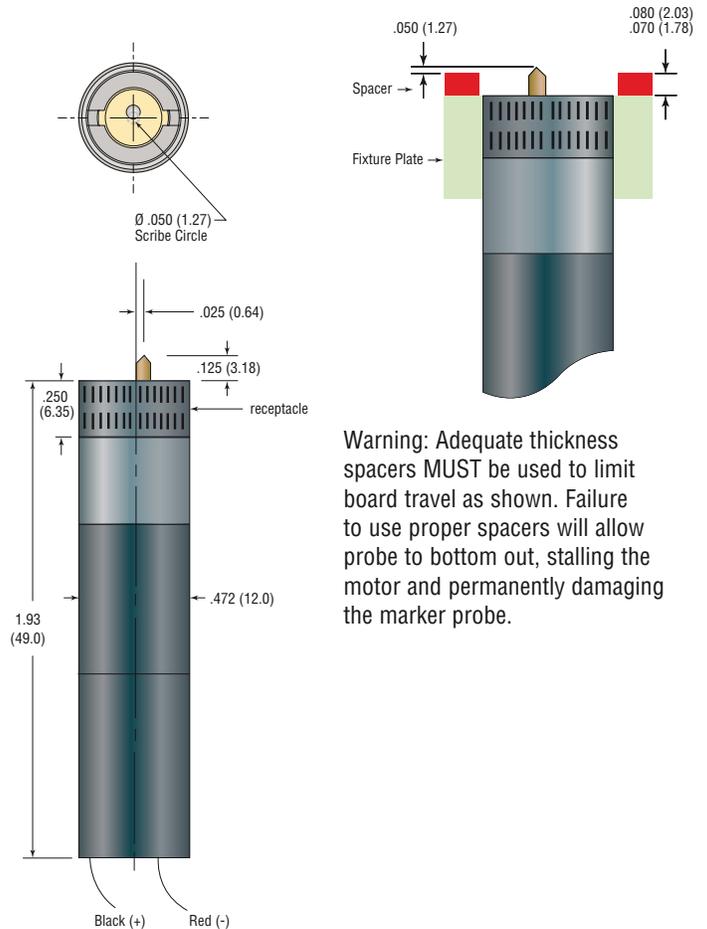
BMP-1: Probe and receptacle, wires and male + female connectors included, (-red, + black).

BMR-1: Receptacle only.

BMT-1: Tip replacement assembly for BMT-1.

RIT-BMP: Receptacle insertion tool for BMR-1.

EXT-BMP: Receptacle extraction tool for BMR-1.



Warning: Adequate thickness spacers MUST be used to limit board travel as shown. Failure to use proper spacers will allow probe to bottom out, stalling the motor and permanently damaging the marker probe.