

# B M P — B O A R D M A R K E R P R O B E

## Application Examples:

- Bare Board Test
- Loaded Board Test
- Connector / Wire Harness
- Package Test

## Benefits:

- Hands Free Operation
- No Hazardous Consumables
- Durable
- > 50000 Cycles before Tip Replacement
- Easy to Fixture

## Features:

- Permanent Mark
- Controllable Mark Intensity
- Driven by Test Program
- MicroGrain Carbide Tip
- Replaceable Tip



## Requirements:

- 15 VDC Power Source
- .050" Diameter Flat area for Mark
- Component Clearance for Loaded Board Test

## BMP-1 BMP-2

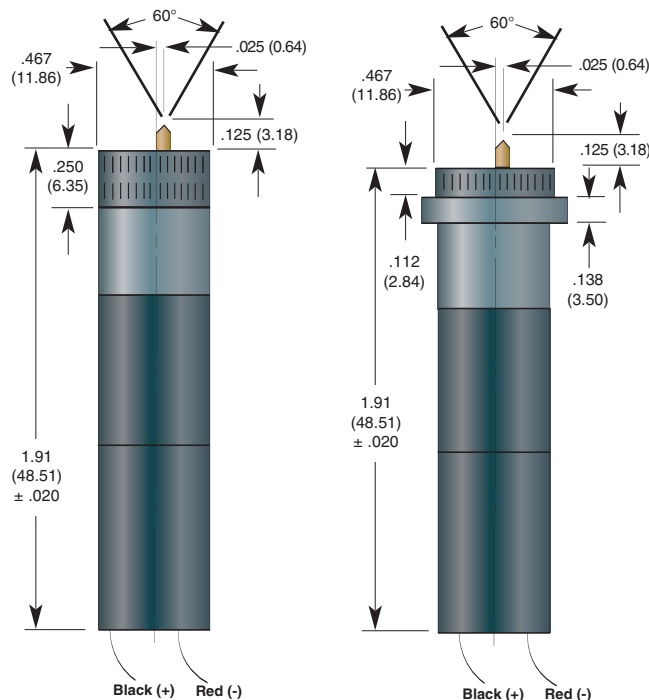
### Board Marker Probe

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.

Probe Specifications	BMP-1	BMP-2
<b>Mechanical</b>		
Full Marker Tip Travel:	.062 (1.57)	.062 (1.57)
Recommended Working Travel:	.050 (1.27)	.050 (1.27)
Direction of Rotation:	CCW	CCW
Scribed Diameter:	.050 (1.27)	.050 (1.27)
Special diameters available.		
<b>Electrical (Operating Conditions)</b>		
Current Rating:	50 mA	50 mA
Voltage Rating:	15VDC	15VDC
Recommended Duty Cycle:	1 sec. On (min.), 5 sec. Off	1 sec. On (min.), 5 sec. Off
<b>Materials and Finishes</b>		
Plunger Tip:	Carbide	Carbide
Receptacle:	Stainless steel	Stainless steel
<b>Mounting Hole Size:</b>		
	.468/.469 (11.89/11.91)	.468/.469 (11.89/11.91)



**BMP-1**  
For use in Series 32  
G-10 fixtures  
Patent Pending

**BMP-2**  
For use in Lexan  
Drop Pin Fixtures  
Patent Pending

## HOW TO ORDER

Specify model number of components or tools you require:

**BMP-1, -2:** Probe and receptacle, wires and connector attached, mating connector supplied, (-red, + black).

**BMR-1, -2:** Receptacle only.

**BMT-1:** Tip replacement assembly for both BMT-1 and BMT-2.

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

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