

## 7210687-003 - BMP-4 Mounting Instructions

Rev C

- 1) The BMP-4 can be mounted in two different ways:
  - a. Drill a size 10.1mm THRU HOLE (.3970" MIN) into test fixture [Option 1]
    - i. Thread panel nuts (included) on either side of test fixture
    - ii. Use a 12mm wrench to hold panel nuts and tighten
    - iii. Use a 9mm wrench to hold BMP-4 at wrench flat and tighten
  - b. Drill and tap a M10 x 1.0 hole [Option 2]
    - i. Apply Loctite 263 or similar onto desired thread location on BMP-4
    - ii. Thread BMP-4 into M10 x 1.0 hole WITHOUT included panel nuts
      1. Alternatively, use epoxy made for metal-plastic bonding for a permanent set-up
    - iii. Let Loctite/epoxy cure for manufacturer's recommended curing time before use
- 2) The recommended compression of the tip is .050" [1.27mm]. The FULLY EXTENDED nose length is .275". To make an ideal mark, ensure that the distance between the flat of the housing and the DUT is .225". Scribe mark diameter: .050" (1.27mm).
- 3) Recommended operating voltage: 12VDC, Normal current draw during scribe: approx. 20mA
- 4) Ensure that the wires are attached so that the motor spins CCW as shown (Red = (-), Black = (+)). Noted polarity **must** be observed to allow proper counter clockwise rotation. Reversed polarity can unscrew motor from housing.
- 5) Recommended duty cycle: 2 sec on, 3 sec off (minimum).

