

PLEASE read the Micro Measurements complete Strain Gage installation instruction pamphlet before attempting to install any strain gages. This document is intended to help you remember the main steps in a non-comprehensive manner.

Strain Gage Installation (condensed instructions)

- 1) Power-sand the selected gage surface until smooth and shiny (literally mirror-like).
- 2) Hand sand with 320 paper wetted with CONDITIONER solution in the red nozzle bottle (mild acid).
- 3) Wipe until clean with CONDITIONER solution. Dry with special pad, or a clean, dry cloth.
- 4) Wash several times with NEUTRALIZER solution in blue nozzle bottle. Dry with special pad, or a fresh cloth.
- 5) On a clean surface (such as the strain gage plastic box), carefully stick a gage lengthwise to the middle of a 3" length of PCT-2A cellophane tape.
- 6) Place the gage (on tape) at the desired location.
- 7) Peel-back one side of the tape to expose the underside of the gage. Curl the tape around so that the bonding surface of the gage is suspended in mid air.
- 8) Paint the underside of that gage with a small amount of CATALYST solution (from M-BOND 200 Adhesive Kit).
- 9) Wait at least one minute.
- 10) Put one drop of M-Bond 200 ADHESIVE on where the tape meets the metal.
- 11) Hold the tape out straight and wipe the gage down with special pad, or a layer of clean cloth.
- 12) Firmly press on the gage (through tape) with a bare finger for 5 minutes.
- 13) Get wiring and soldering iron ready.
- 14) Attach wiring to the structure with stick down tabs.
- 15) Carefully remove tape from gage by slowly pulling it back straight over itself.
- 16) Carefully tin solder tabs on gage with a minimum amount of heat.
- 17) Make sure that the wiring does not pull on the gage at all.
- 18) Attach wires to the gage.
- 19) Connect the gage to the measurement system and run a check in O-Scope mode to confirm that the gage is working and properly wired.
- 20) Paint over the gage installation with the provided M-COAT C silicon rubber.