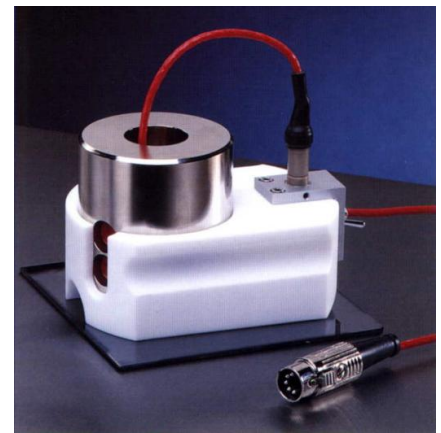
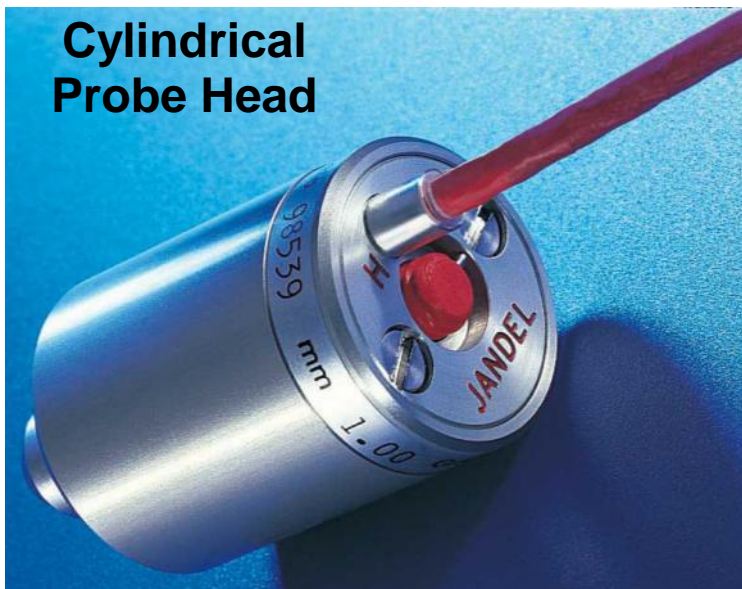
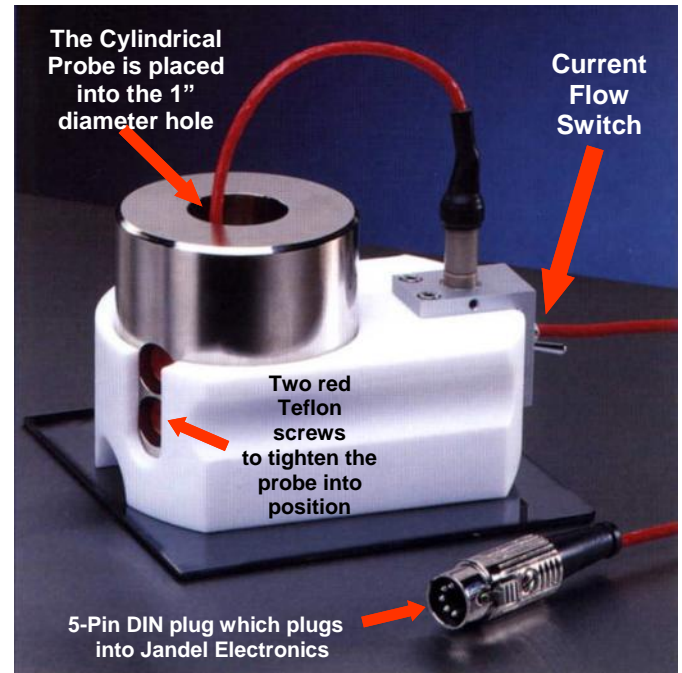


Jandel Engineering Limited
Hand Applied Probe
 Parts Identification



In the image to the right you can see the Hand Applied Probe placed upon a 4.5" x 4.5" square glass plate. There is a 1" diameter hole in the large chrome-plated brass cylindrical into which the Cylindrical Probe is placed. The probe is pressed down until the acrylic nosepiece pad touches the substrate under test. Two red Teflon screws are tightened to hold the probe in position. The weight of the chrome plated cylinder is sufficient to compress the probe tips even when the Cylindrical Probe is equipped with the 200 gram (strongest) springs loads. The red cable that exits the top of the Cylindrical probe head plugs into the Hand Applied Probe as shown. The switch on the back of the probe is used to turn the current flow on or off. The switch positions are labeled "R" for "read" and "S" for short. The "S" (short) switch shorts the current leads so that no current flows and no measurement can be made. The current should be turned off when the tips are brought into contact so that no sparking can occur as the tips touchdown. The Jandel electronics include a "standby" mode in which the current does not flow. The 5-Pin DIN connector plugs into the Jandel four point probe electronics.



Each Jandel **Hand Applied Probe** includes one **Cylindrical Four Point Probe Head**. The Probe head has a 7" cable which terminates with a Lemo plug. The probe head is available in one of three user adjustable pressure ranges which allows the user to change the tip pressure within the chosen range. Further information about the Cylindrical Probe Head can be seen in the following links:

- Cylindrical Probe General information and options: <http://www.fourpointprobes.com/jandelcylindrical.pdf>
- Adjusting the tip pressure on the Cylindrical Probe: <http://www.fourpointprobes.com/cyl-adj.pdf>
- Nosepiece pads and the high temperature version: http://www.fourpointprobes.com/cyl_nose_pads.pdf
- Hand Applied Probe Operating Instructions: http://www.fourpointprobes.com/hap_instructions.pdf

Hand Applied Probe Bottom View

The Cylindrical Probe nosepiece can be seen here protruding out of the bottom of the Hand Applied Probe where it will make contact to the substrate.

The Body of the Hand Applied Probe is machined from a solid block of Teflon.

These are rubber pads so that the Hand Applied probe can be placed upon the pads and pivoted down into position on the substrate.

