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SRM-CAL Calibration Fixture

The SRM-CAL is a test fixture that contains three sets of contact points for use in verifying the accuracy of the SRM-232 electronics against an external standard. One set of pads is connected to a dead short; one set of pads is connected to a precision resistor with a value in the middle of the SRM-232's measurement range; the third set of pads is connected to a precision resistor with a value in the upper end of the SRM-232's measurement range. If an inaccuracy in the unit is detected when checking it against the calibration fixture, the SRM can be factory recalibrated. The SRM-CAL is supplied with an NIST traceable certificate of calibration and can be recertified on a yearly bases if desired.

The calibration mode as explained in the SRM-232 manual is for self-calibration against precision resistors that are internal to the SRM-232. The SRM-CAL is used to verify the accuracy of the instrument's electronics against an external standard. The SRM does not provide the capability for the end user to adjust the SRM against the external SRM-CAL - this must be performed at the factory using special equipment.

SRM-CAL Calibration Fixture
Dimensions 1" x 4" x 2"

The model shown below is the SRM-CAL-10 for use in checking the accuracy of the SRM-232-10 electronics.

SRM-CAL-10 Reference standard kit for use with SRM-232-10 Four Point Probe

- Allows the end user to verify the accuracy against NIST traceable secondary standards
- Three pads with one being a dead short, one to read-out in the approximate center of the range from 0 to 9.999 ohms-per-square, and one with a value close to 9.999 ohms-per-square.
- Includes calibration certificate valid for one year

SRM-CAL-100 Reference standard kit for use with SRM-232-100 Four Point Probe

- Allows the end user to verify the accuracy against NIST traceable secondary standards
- Three pads with one being a dead short, one to read-out in the approximate center of the range from 0 to 95 ohms-per-square, and one with a value close to 95 ohms- per-square.
- Includes calibration certificate valid for one year

SRM-CAL-1000 Reference standard kit for use with SRM-232-100 Four Point Probe

- Allows the end user to verify the accuracy against NIST traceable secondary standards
- Three pads with one being a dead short, one to read-out in the approximate center of the range from 0 to 999.9 ohms-per-square, and one with a value close to 999.9 ohms-per-square.
- Includes calibration certificate valid for one year

SRM-CAL-2000 Reference standard kit for use with SRM-232-100 Four Point Probe

- Allows the end user to verify the accuracy against NIST traceable secondary standards
- Three pads with one being a dead short, one to read-out in the approximate center of the range from 0 to 1999.9 ohms-per-square, and one with a value close to 1999.9 ohms-per-square.
- Includes calibration certificate valid for one year