



S302 FOUR POINT PROBE MANUAL STAND

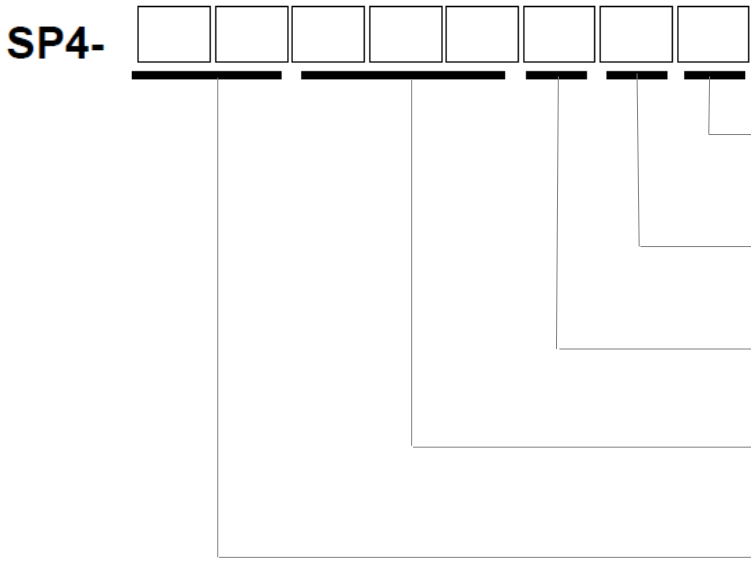
The S302 stand includes several features to assure accurate resistivity measurements. A swing arm with micro switch assures the probe head is moved straight up and down and current is not applied until the probe head is adequately contacted the sample. A fine 'Z' adjustment knob on the right side raises or lowers the probe head a range of 20mm to set-up testing on the sample. A bayonet style quick mount allows for easy changing of the probe head. The sample to be tested is mounted onto a Teflon chuck and easily pushed to position. The stand is available in 100, 150 and 200mm configurations. The stand is pre wired with four banana jack.



Four Point Probe heads

The SP4 probe head is designed for use with Lucas/Signatone and other resistivity probing systems for the measurement of thin films and materials. The SP4 head has several configuration parameters permitting users to define the probe head best for their application.

Standard head (Delrin)



- S** = Standard, flying lead termination
- Y** = 15" (38cm) wire, 9 pin D sub, for Pro4
- Q** = 6" (15cm) wire, 9 pin D sub, for QuadPro
- J** = 36" (90cm) wire with 4 banana jacks
- N** = 36" (90cm) Coaxial wire with 4 BNC
- C** = 36" (90cm) Coaxial wire with 2 BNC

- R** = 1.6 mil (40µm) radius tip
- F** = 5 mil (125µm) radius tip
- B** = 10 mil (254µm) radius tip

- T** = Tungsten Carbide
- O** = Osmium

- 045** = 45 gram spring pressure
- 085** = 85 gram spring pressure
- 180** = 180 gram spring pressure

- 40** = 40 mil (1mm)spacing between tips
- 50** = 50 mil (1.27mm) spacing between tips
- 62** = 62.5 mil (1.6mm) spacing between tips