

SIGNATONE

Lucas / Signatone Corporation – Since 1968

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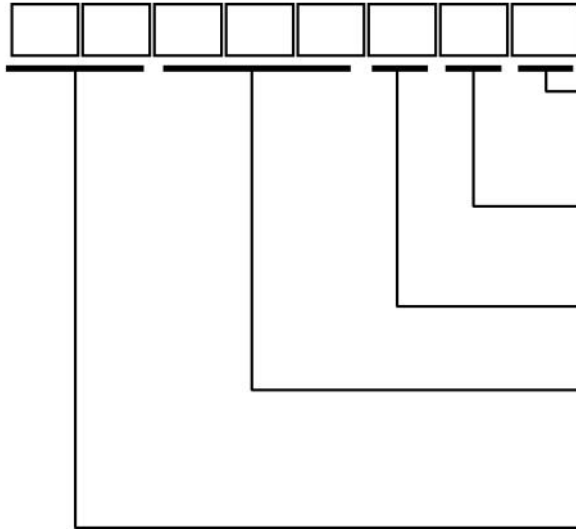
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Lucas/Signatone Four Point Probe Part Numbers

Standard Head (Delrin)

SP4-



S = Standard, flying lead termination
 Y = 15" wire, 9 pin D sub, for Pro4
 Q = 6" wire, 9 pin D sub, for QuadPro
 J = 36" wire with 4 banana jacks
 N = 36" Coaxial wire with 4 BNC connectors
 C = 36" Coaxial wire with 2 BNC connectors

R = 1.6 mil radius tip
 F = 5 mil radius tip
 B = 10 mil 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 spacing between tips
 50 = 50 mil spacing between tips
 62 = 62.5 mil spacing between tips

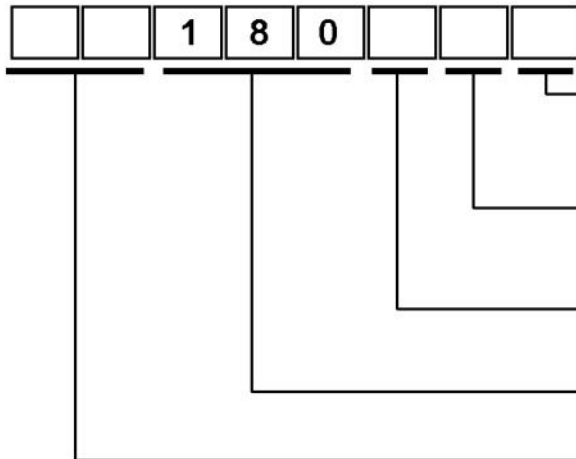
SP4-62085TRY

Sample Part Numbers:

HT4-50180ORY

High Temperature or High Resistance Head (Macor)

HT4 -
 HR4



S = Standard, flying lead termination
 Y = 15" wire, 9 pin D sub, for Pro4
 Q = 6" wire, 9 pin D sub, for QuadPro
 J = 36" wire with 4 banana jacks
 N = 36" Coaxial wire with 4 BNC connectors
 C = 36" Coaxial wire with 2 BNC connectors
 X = 36" Triax wire with 4 TRX connectors
 D = 8" Triax wire with 2 TRX connectors

R = 1.6 mil radius tip
 F = 5 mil radius tip
 B = 10 mil radius tip

T = Tungsten Carbide
 O = Osmium

180 = 180 gram spring pressure

50 = 50 mil spacing between tips
 62 = 62.5 mil spacing between tips

SP4 Four Point Probe Head

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.



Spacing between tips

0.0625 inches (62)
 0.050 inches (50)
 0.040 inches (40)

Pressure on each probe tip

45 grams (045)
 85 grams (085)
 180 grams (180)

Probe tip material

Osmium (0)
 Tungsten Carbide (T)

Tip radius

0.0016 inches [1.6mil] (R)
 0.005 inches [5 mil] (F)
 0.010 inches [10 mil] (B)

Electrical Connection option

Flying lead termination, 15" wire (S)
 9 pin D sub with 15" wire (Y)
 9 pin D sub with 6" wire (Q)
 4 36" wires with Banana Jacks (J)*
 4 36" coax wires with BNC (N)*
 2 36" coax wires with BNC (C)*
 4 36" Triax wire with TRX (HT4) (X)*
 2 8" Triax wire with TRX (HT4) (D)*

* for direct connection to various meters

Ordering Model Maker Information

SP4-[Spacing][Pressure][Material][Radius][Termination]

Sample Part Number: SP4-40085TRS

Dimensions (inches)

