

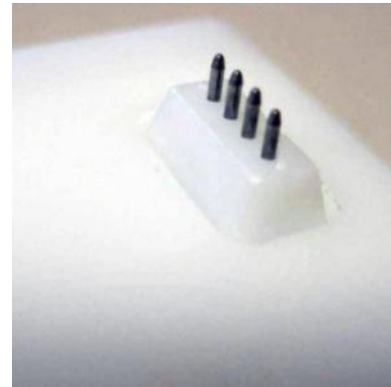
SRM Probe Head



The SRM Probe Head is a plastic bodied four point probe head which is applied by hand. The connection to the probe head is via a female RJ45 connector which is the same type of connector used for Ethernet cable connections. A standard Ethernet cable can be used to connect to the SRM probe head, however, a coiled cable is available as shown in the photo below.

The 8 conductors of the cable are as follows:

- 1-not used
- 2-not used
- 3-current in
- 4-voltage read
- 5-voltage read
- 6-current out
- 7-not used
- 8-not used



Probe Tips Specification Choices

Tip Spacing: 40, 50, or 62.5 mils

Spring Loads: 45, 85, or 180 grams per tip

Tip Material: tungsten carbide or 50% osmium alloy

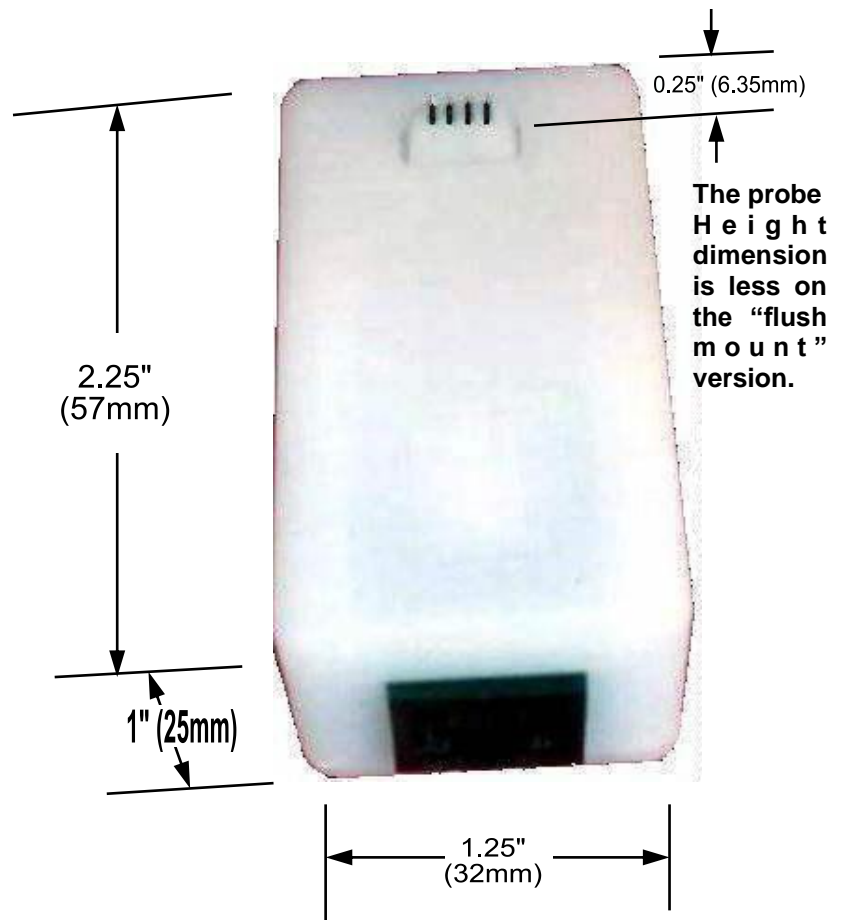
Tip Radii: 1.6, 5, or 10 mils.

The probe is also available with the “flush mount” housing in which the tips are recessed deeper into the outer housing so that the tip retraction is limited, resulting in an even lower spring pressure than the 45 gram load (see page 2 for an image showing the difference between the standard housing and the flush mount housing).

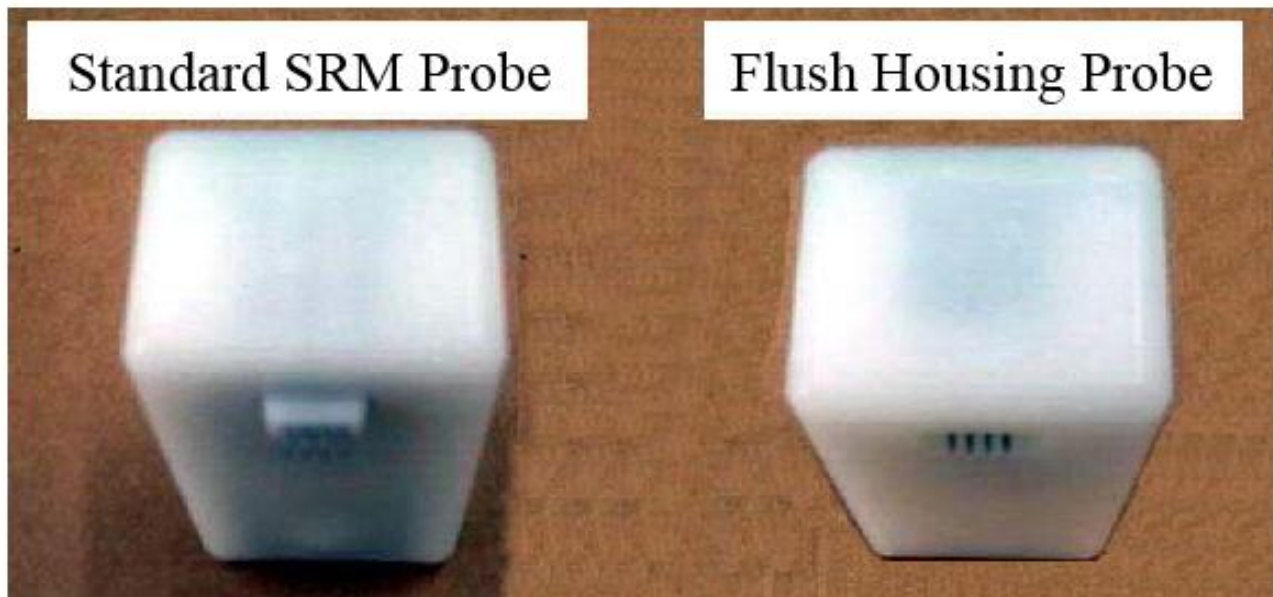
SRM PROBE HEAD
with CABLE



SRM Probe Head Dimensions



Standard versus "flush housing" probe types.



The "flush housing" probe has the inner probe assembly mounted further into the housing so that probe tip retraction is limited. This significantly reduced probe tip pressure for use when measuring very soft materials or easily deformed substrates.