

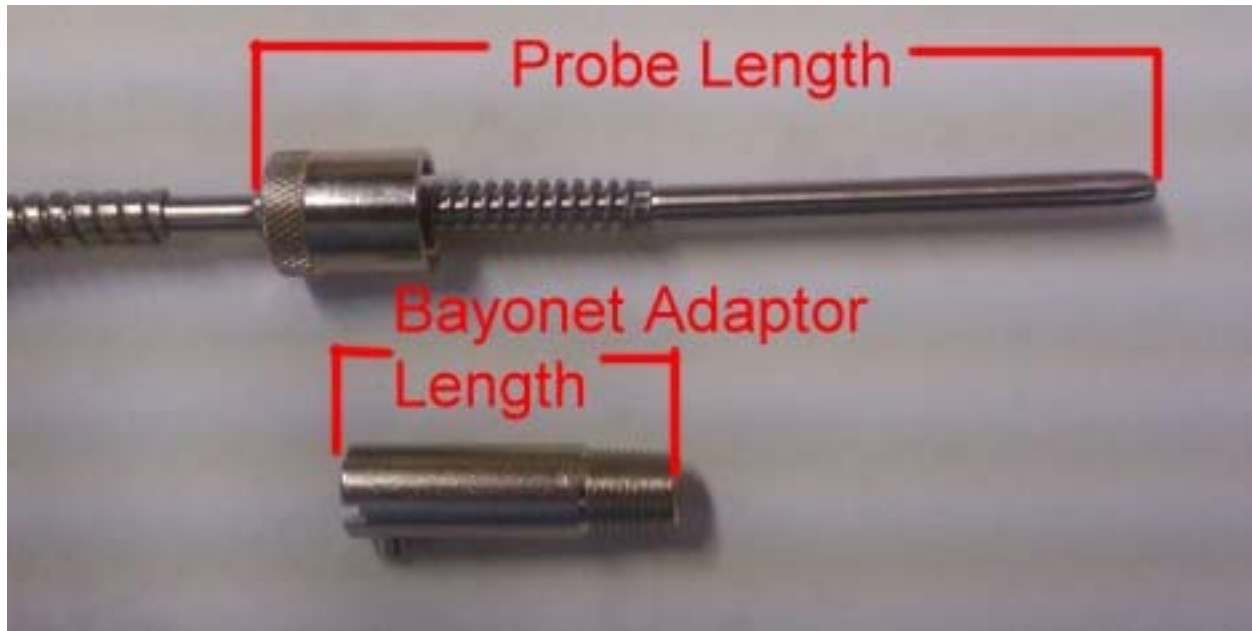
Bees Industrial Services

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Heating Elements - Sensors - Controls - Auxiliary Equipment - Process Heating Systems



Computing Proper Probe Length for Rigid Mount Bayonet Adaptor Style Sensor



For the “probe length” of a rigid/fixed mounted Bayonet Style temperature probe, all major manufacturers use the distance shown in the top of the picture above: from the “top” of the cap to the end of the probe. When calling out the specifications for a temperature sensor this is the distance that must be given in order to receive unit of proper length.

To compute this length for new applications:

A = Depth of hole into the material the sensor is being placed into

PLUS

B = Length of Bayonet Adaptor (less portion threaded into “A”, if desired)

PLUS

C = .75” (three-quarter inch) – This is the amount of compression needed to hold the probe in place securely with the probe “bottoming out” in the well.

$$A + B + .75” = \text{Probe Length}$$

(This total will REDUCED to the nearest 1/8 inch for the final specification.)

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