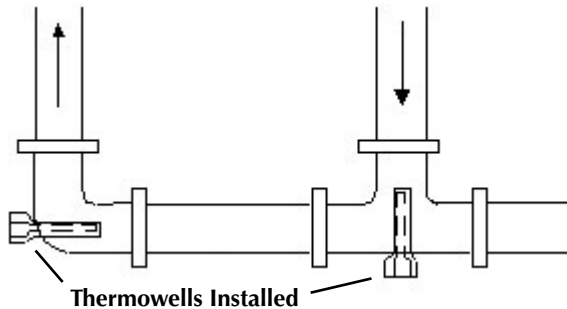


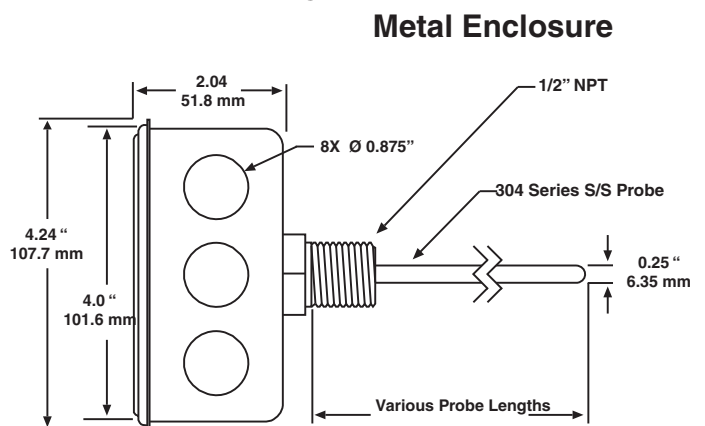
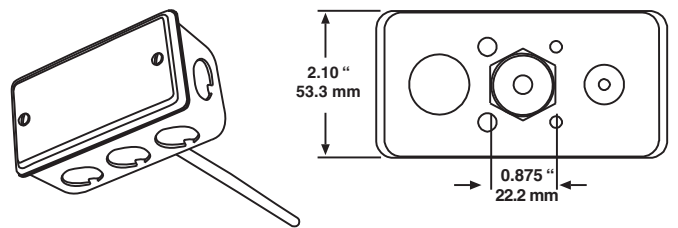
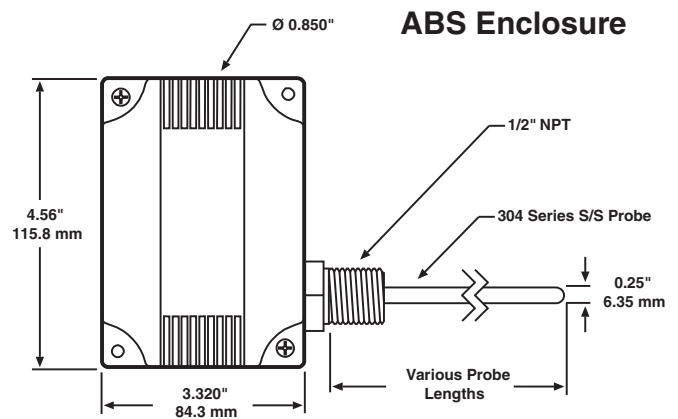
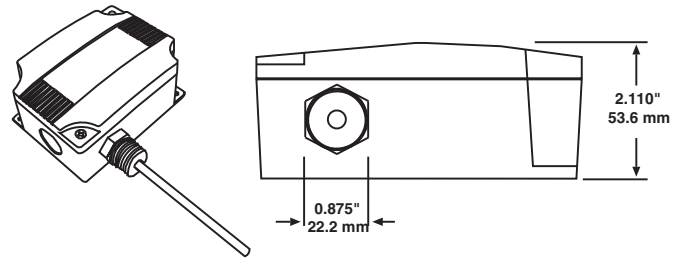
Installation Guide

Mounting and Wiring

Immersion probes measure the temperature inside pipes carrying liquid or steam and are installed in a 304 stainless-steel thermowell. Mount the thermowell horizontally or with the open end facing down (to allow any condensation to drain). Position the thermowell to prevent contact with the inside of the pipe.

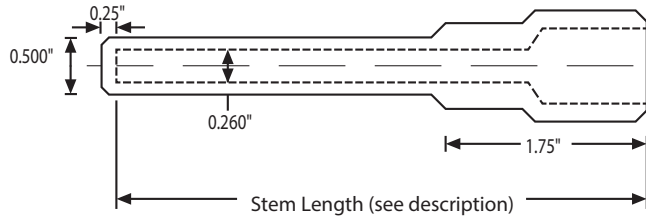


1. Install the pipe fittings required, by local code, for a thermowell into the dry/drained pipe. If the system is pressured, use a hot tap.
 2. Install the thermowell. (See the Accessories section.)
 3. Fill the well with thermal compound to ensure complete conductivity from well to probe.
- NOTE: The probe can slide within its collar on the case as it is inserted into the thermowell.
4. Remove the screws holding the cover to the case and remove the cover.
 5. Insert the probe into the well and tighten the threaded connection on the case.
 6. From inside the case, push the probe as far as it will go into the well.
 7. Feed the thermistor wire leads through the conduit or hole opening.
 8. Connect the thermistor wires to the cable with butt-splices or soldering. (Wire nuts are not recommended.) The two-wire sensor is not polarity sensitive.
 9. Reinstall the cover and screws.



Accessories

HMO-4532	Thermal compound (1 oz.) for thermowells
HMO-4534	4-inch 304 stainless-steel thermowell (for the STE-1421)
HMO-4544	6-inch 304 stainless-steel thermowell (for the STE-1422)



NOTE: NPT Thread Size = 1/2 inch

Specifications

Standard Lengths	4" (STE-1421) or 6" (STE-1422)
Sensor	Type III, 10K ohm @ 77° F (25° C)
Temperature Limits	-4 to 221° F (-20 to 105° C)
Wiring	22 AWG wire leads
Case	Plastic standard; metal optional

Maintenance

No routine maintenance is required. Careful installation will ensure long term reliability and performance.

Configuration

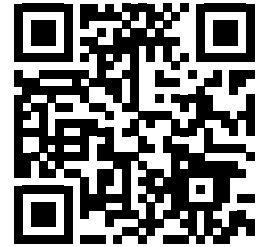
For controller configuration, see the [Type III Sensors Applications Guide](#) on the KMC web site.

More Information

For **additional information**, see the [STE-1400 Series Data Sheet](#) on the KMC web site.



For **troubleshooting, controller configuration, and other information**, see the [Type III Sensors Applications Guide](#) on the KMC web site.



Important Notices

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