

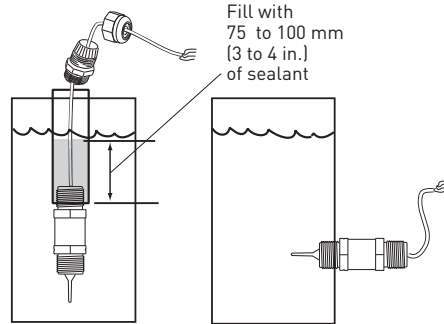
# Installation of Temperature Sensors

### Installation Tips

- 8050-1 and 8052-1 junction boxes can be useful for this installation option.

## I. Submersible Installation

- Use the 2350 sensor with 4.6 m (15 ft) cable.
- Mount the sensor to an extension pipe or watertight conduit using thread sealant.
- Use a cable gland at the top of the extension to prevent moisture intrusion/accumulation inside the pipe.
- For additional defense against possible accumulation of condensation at the back seal area of the sensor, fill the lower 75-100 mm (3-4 inches) of conduit or extension pipe with a flexible sealant such as silicone.



## II. In-Line Installation

- The 2350 can be mounted in a pipe-tee using the threads closest to the sensing end.
- The sensor can be mounted with or without an integral kit. This kit mounts a junction box to an instrument.
- See below for more information on instrument integral mount and junction box/remote mount examples.

### Installation Tips

- Sensors can be mounted into any DN20 (3/4 in.) FNPT pipe tee (customer supplied)

### Integral Assembly

- The 3-8052 Integral Kit connects the 8350 Temperature Transmitter directly onto the 2350 sensor.
- Apply sealant or PTFE tape to the process connection threads, after inspecting threads to ensure integrity. Do not install a sensor with damaged threads.
- Tighten the sensor 1 1/2 turns past finger tight into the process connection.

### Remote Assembly

- The optional 3-8052-1 Integral Junction box with 3/4 in. process connection offers a convenient terminal point to extend the 2350 cable over a distance.

The kit includes:

- 3/4 in. NPT process connection
- Conduit base and cap with junction terminals
- 3-9000.392-1 liquid tight connector, 1/2 in. NPT
- Apply sealant or PTFE tape to the process connection threads, after inspecting threads to ensure integrity. Do not install a sensor with damaged threads.
- Tighten the sensor 1 1/2 turns past finger tight into the process connection.

