

INSTALLATION INSTRUCTIONS

-T PROBE INSERTION MOUNT INSTALLATION

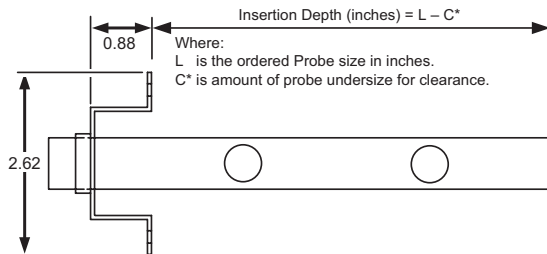


PROBE INSTALLATION

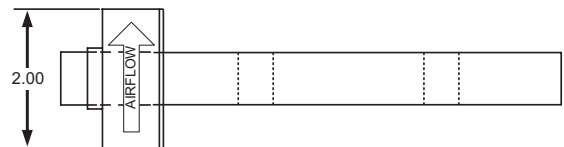
Figure 1 details the probe installation dimensions. Install the probe as follows. Convenient check boxes are included to ensure that each step is completed.

1. Determine the specific duct location for the probe(s) as indicated on the engineer's plans showing where the airflow measuring station is to be located. Refer to Figures 2 and 3 for probe orientation by application.
2. Prepare a 0.875 inch (22.2 mm) insertion hole on the side of the duct where the probe will be inserted.
3. Insert probe assembly through the insertion side mounting hole, making sure that the large insertion side gasket is firmly seated against the insertion side bracket. Fasten the insertion side mounting plate to the duct at four places with appropriate sheet metal screws, making sure that the printed airflow arrow on the plate is in the actual direction of duct air flow and that the plate is parallel to the edge of the duct.
4. Connect the sensor probe to the transmitter supplied for the specific location. This completes probe installation.

PROBE SIDE VIEW



PROBE TOP VIEW



BRACKET END VIEW

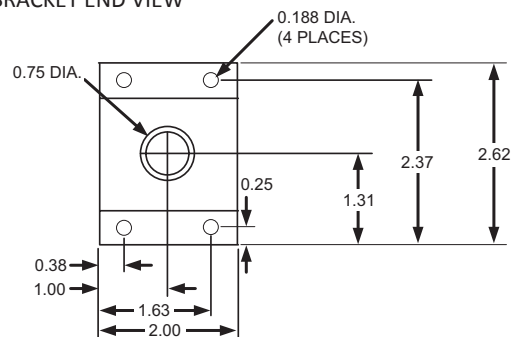
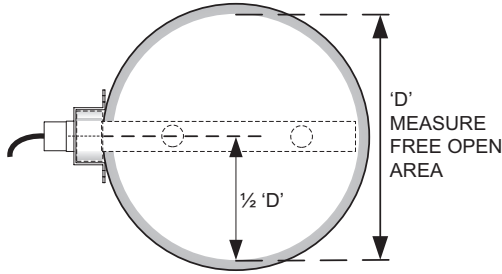


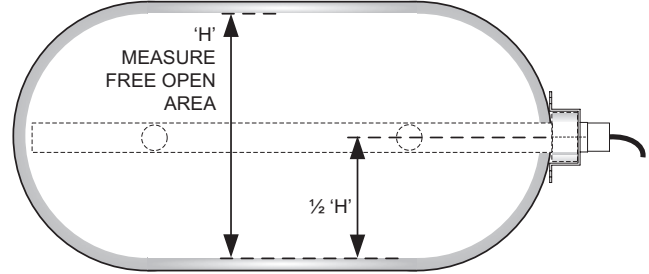
Figure 1. -T Probe Mechanical Details

-T PROBE TYPICAL DUCT INSTALLATIONS

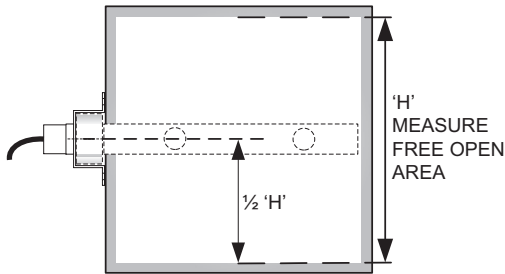
Round Ducts:



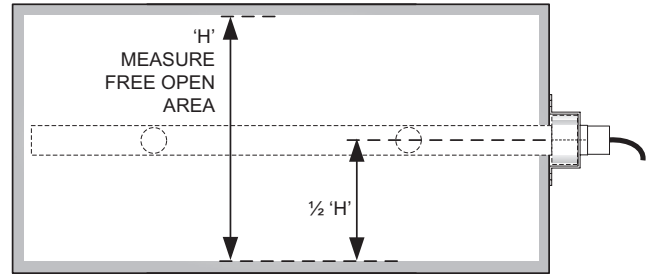
Flat/Oval Ducts*:



Square Ducts*:



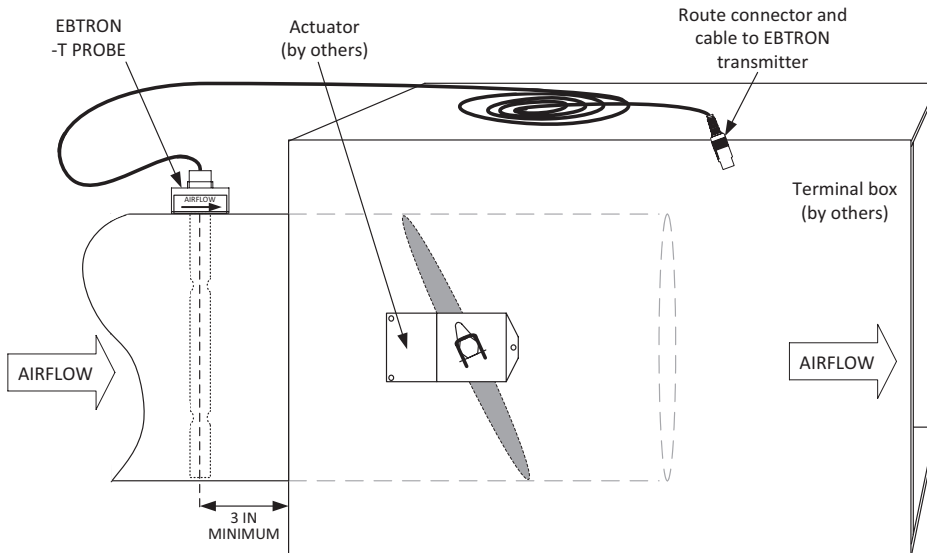
Rectangular Ducts*:



*NOTE: -T probes are factory calibrated in wind tunnels for round duct applications. Accuracy will vary in other duct applications.

Figure 2. -T Probe Typical Ducted Installations

-T PROBE TYPICAL TERMINAL BOX INSTALLATION



Boxes with pneumatic flow rings: Remove the existing flow ring and locate probe 3 inches minimum upstream of box or 3 inches minimum upstream of existing flow ring.

Boxes without pneumatic flow rings: Install probe 3 inches minimum upstream of box.

Figure 3. -T Probe Typical Terminal Box Installation