



Installation Guidelines

For Eastern Instruments'
High Beta Airflow Sensor

Unpacking

- Make sure to visually inspect all of the contents of the crate to ensure that there was no damage to the sensor during shipment.
- If there is any damage, immediately contact your shipping company first. Once the equipment has shipped, the customer has full ownership and responsibility of any damages incurred in shipping.

Installation

- Use the customer drawings supplied with the High Beta Airflow Sensor for placement recommendations and duct section removal.
- If the High Beta Airflow Sensor is installed into a section that was not approved by Eastern Instruments, the flow sensor might not perform to specification and may be damaged.
- The section of the duct that is being removed should be cut out to include the dimensions of the flanges and gaskets that will be used upon the installation of the High Beta Airflow Sensor.
- The High Beta Airflow Sensor should not support any piece of duct. Both ends of the duct should be supported and rigid enough to support the High Beta Airflow Sensor when bolted to either flange.
- Install the flanges to the duct work; make sure that the inside of the duct is ground smooth if welding has occurred. If there is any obstruction inside the duct, Airflow paths can be altered and measurements distorted.
- Install the gaskets and the High Beta Airflow Sensor in the correct direction of airflow. The High Beta Airflow Sensor has directional arrows on it for guidance.
- Make sure the High/Low connection ports are accessible. The connections should be turned upward if possible and the attached electronic dP device should be located higher than the sensor. This way, if condensation occurs, the electronics side won't be the drain for the water in the line.
- Tighten the bolts around the flanges and check the seal of the gaskets.
- Attach the tubing to the connection ports (High to High and Low to Low), use approved sealer if necessary.
- Leak check all fittings and correct where necessary. Small leaks can affect the measurement and should be corrected always.

