

## The most commonly utilized airflow measuring probe



# Forward/Reverse Probe

from Innovative Combustion Technologies, Inc.

Forward/Reverse Velocity Probe

Part # ICT-FW-Specify Length

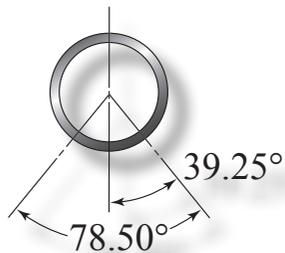
Forward/Reverse Velocity Probe w/Static Temperature and O<sub>2</sub> measurement

Part # ICT-FWST-Specify Length

Available in 8', 10', 12', 14' and 15' Lengths

The most commonly utilized air flow measuring probe is the billeted head forward-reverse probe. The probe is similar in design to that of a Stauschiebe Probe. However, instead of having exposed, opposing tubes exiting the probe head, the **Forward-Reverse Probe** is designed with a machined billeted head that is far more resistant to damage than the Stauschiebe Probe. As with all airflow measurement probes, the forward-reverse is calibrated in a wind tunnel against an accepted bullet-nosed pitot tube with a "K-factor" of 1.0.

The Forward-Reverse Probe is generally used in areas where the test taps have been located in straight runs of ductwork and the flow can be assumed to be parallel to the duct. Typical applications include the measurement of "total" secondary air to the boiler (as measured in venturies or between airfoils), measurement of secondary air at the windbox, primary airflow to the mills, etc.



**Determine direction of flow, airflow velocity head, static pressure, and temperature**

The Fecheimer probe is an industry accepted three hole probe capable of determining the direction of maximum velocity head. When combined with a protractor, an angular component of the velocity head parallel to the ductwork being traversed can be calculated. The Fecheimer probe is well suited for such applications as fan acceptance tests or use near transitional ductwork (ie. bends, reducers). Fecheimer probes come complete with a type K thermocouple. The 304 stainless steel probes are available in three diameters; 1.25",



# FECHEIMER PROBE

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1.5", and 2"; and lengths from 6'-15'. Fecheimer probes can be ordered individually or as part of a kit. The kits include all equipment necessary to determine direction of flow, air flow velocity head, static pressure, and temperature.

Fecheimer Probe

Part # ICT-FEC-Specify Length

Available in 8', 10', 12', 14' and 15' Lengths



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