

Dirty Air Sampling Kit

Why use this kit?

The Dirty Air Kit is primarily designed to be used with an Iso-kinetic Fuel Sampler. Measurement of burner line velocities is used to establish individual burner line coal sampling extraction rates.



In addition to establishing coal sampling extraction rates, use of the Dirty Air Kit can also:

- Provide a quick means to determine whether pulverizer air-to-fuel ratios are proper.
- Evaluate burner line to burner line air distribution/balance.
- Establish with certainty whether a burner line is plugged.
- Calculate pulverizer “in-leakage” quantities on suction type pulverizers and provide an estimate of seal air quantities on pressurized pulverizer systems (when combined with pulverizer inlet airflow measurement).

The Kit Includes:

- Calibrated Dirty Air Probe
- 10” Incline Manometer with case
- 24” U-tube Manometer
- 4 Synthetic Dustless Connectors (with seals)
- 4 Replacement seals for Dustless Connectors
- Digital thermometer
- 24” stainless steel static/temp probe
- 15’ Section of Double Tubing
- 6’ Section of Triple Tubing
- 2’ Retractable thermocouple lead (K) expandable to 10’
- Impact resistant carrying case
- Instruction manual



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