

DAP 2101 DIRTY AIR PITOT

GAS VELOCITY MEASUREMENT



Technical Data for DAP 2101

Fuel pipe dimensions:	210 mm (8,4") – 1400 mm (56")
Power supply:	Instruments are battery driven, 9 Volt DC
Air supply:	Dry clean compressed air, minimum 6 bar (85 Psi) Air consumption: Minimal
Media:	Pulverized coal flow or other dry bi-phase pneumatic transports
Overall length:	Minimum 750 mm (30"), longer for wide fuel pipes
Net weight:	1.1 kg. (2.4 lbs) plus instruments
Operation temperature:	Max. 100°C (212°F) – higher temp. version available on request
Instrumentation:	Manometer and thermometer

Principle of operation of DAP

The DAP is designed to measure gas velocity / dynamic pressure in pneumatic transport pipes of pulverized fuel, or other dry biphas powder transportations.

The DAP is inserted into a Dustless Connection on the pulverized fuel pipe and the gas velocity / differential pressure is measured as the difference between the total pressure minus the static pressure in the fuel pipe allowing for information for isokinetic extraction of pulverized fuel or flow velocity measuring instruments. The DAP is equipped with temperature measurement device.

The gas velocity is measured across the pipe in two perpendicular directions for precise velocity profile determination.

The Company and its product line

M&W Asketeknik is an internationally working engineering company specialized in the design, manufacturing and supply of analysing and sampling systems for optimizing processes and controlling by-products in coal-fired power plants and other utility boilers. Several hundred units are successfully analysing and monitoring combustion processes in power stations world-wide.

M&W Asketeknik's product line

- Pulverized Fuel Sampler (PFS)
- Dustless Connection (DC)
- Dirty Air Pitot (DAP)
- Automatic Coal Flow Monitor (ACFM)
- Automatic Trimming Damper (ATD)
- Automatic Dust Sampler (ADS)
- Residual Carbon Analyser (RCA)
- Fly-Ash Sampler (FAS)
- Raw Coal Sampling Systems (RCS)



M&W ASKETEKNIK APS



ENGINEERING AND PRODUCTION
Member of the Mark & Wedell Group
Oldenvej 5, DK-3490 Kvistgaard, Denmark
Tel.: +45 49 13 98 22 Fax: +45 49 13 91 62
Internet: www.m-w.dk E-mail: m-w@m-w.dk