



ECOTECH

WORLD CLASS
environmental
MONITORING

Continuous Emissions Monitoring System

The Ecotech Continuous Emission Monitoring System utilizes the extractive dilution probe technology for high reliability, repeatability and accurate measurements. The system meets the worldwide requirements of measuring various gases emitted from combustion processes and provides data for demonstrating compliance with emission regulators to pollution control authorities.

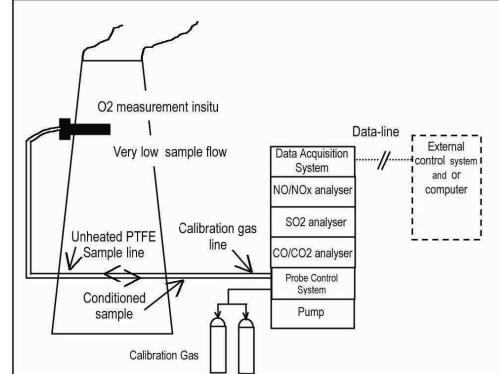
The Ecotech-developed software manages the tasks of collecting data, calibration of analyzers and report generation.

The analyzers used in the stack monitoring system are conventional ambient analyzers, which Ecotech manufacture. Their designs are proven and approved by every major pollution agency in the world.

Key Features of System



- Temperature controlled critical orifice dilution
- Lowering of sample dew point to less than 0°C so no heated sample lines are required
- "In situ" calibration of complete system. Probe dilution principle
- Adjustable probe to ensure optimum sampling point
- "In situ" oxygen measurement (optional)
- Linear dynamic measuring range from less than 1 ppm to over 2000 ppm

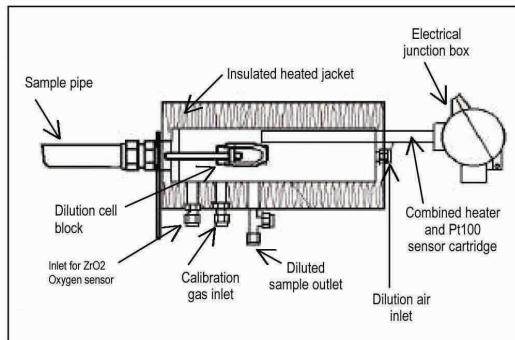


Stack Monitoring System with Dilution Probe Technology

SPECIFICATIONS

Gas Analyser	Measuring Method	Ambient	Stack
NO/NO _x /NO ₂	Chemiluminescent	0-20 ppm	0-2,000ppm
NH ₃	Chemiluminescent	0-20 ppm	0-2,000ppm
SO ₂	U.V. Fluorescence	0-100ppm	0-10,000ppm
H ₂ S	U.V. Fluorescence	0-20 ppm	0-2,000ppm
Total Reduced Sulphur			
CO	Gas Filter Correlation	0-200 ppm	0-20,000ppm
CO ₂	NDIR		0-20%
O ₂	ZrO ₂		0-21%

More detailed technical specifications can be provided on request on these and other gas analysers of your choice.
Threshold and accuracy will be selected according to the application.



DP7900 Dilution Probe Principle

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