

Continuous Emission Monitoring System

Extractive Dilution Technique

The Ecotech Continuous Emission Monitoring System utilises the extractive dilution probe technology for high reliability, repeatability and accurate measurements. The system meets the world-wide 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 analysers and report generation. The analysers used in the stack monitoring system are conventional ambient analysers, which Ecotech manufacture. Their designs are proven and approved by every major pollution agency in the world.



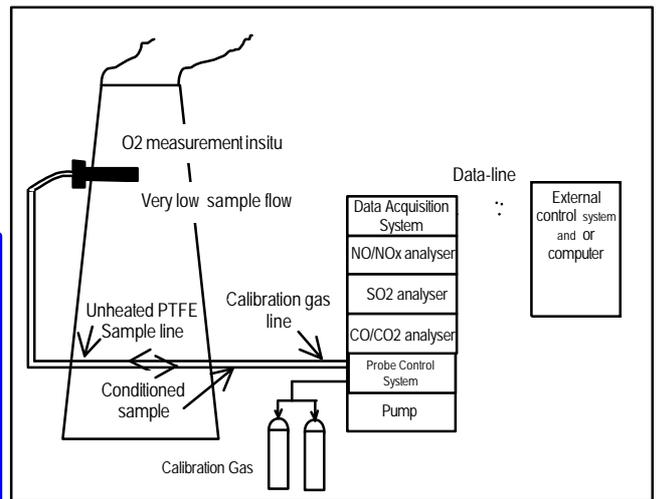
Key Features of system

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

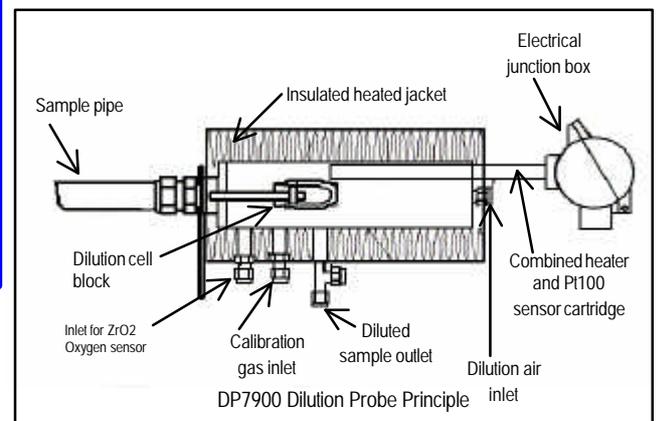
SPECIFICATIONS

Gas Analyser	Measuring Method	Measuring Ranges	
		Ambient	Stack
NO/NO _x /NO ₂	Chemiluminescent	0-20 ppm	0-10,000ppm
NH ₃	Chemiluminescent	0-50 ppm	0-5,000ppm
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	U.V. Fluorescence	0-20 ppm	0-2,000ppm
CO	Gas Filter Correlation	0-3000 ppm	0-30%
CO ₂	NDIR		0-50%
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.



Stack Monitoring System with Dilution Probe Technology



DP7900 Dilution Probe Principle

For further information please contact our nearest office



Victoria – Head Office:
New South Wales:
Western Australia:

Tel: (61 3) 9894 2399 e-mail: ecotech@ecotech.com.au
Tel: (02) 9748 7111 e-mail: sydney@ecotech.com.au
Tel: (08) 9361 7665 e-mail: perth@ecotech.com.au



www.ecotech.com.au

