

# Continuous Emission Monitoring

## DP7900 Dilution Probe

The DP 7900 dilution probe is used with the PM8302 Probe/ Pump Control Unit and an unheated umbilical sample line for continuous extraction and dilution of stack sample gases.

The diluted gas sample moves down the umbilical line for measurement on highly accurate gas analysers.



The dilution mechanism of the DP7900 probe is located outside of the stack, making the unit suitable for demanding applications including high temperatures (up to 1800 deg C), corrosive or exotic sampling environments, or stacks with a small internal diameter. The dilution probe is mounted using special quick release clamps for easy dismantling for filter checks and replacement.

For high temperature or wet/corrosive applications either a ceramic or PTFE lined sample pipe is used (option).

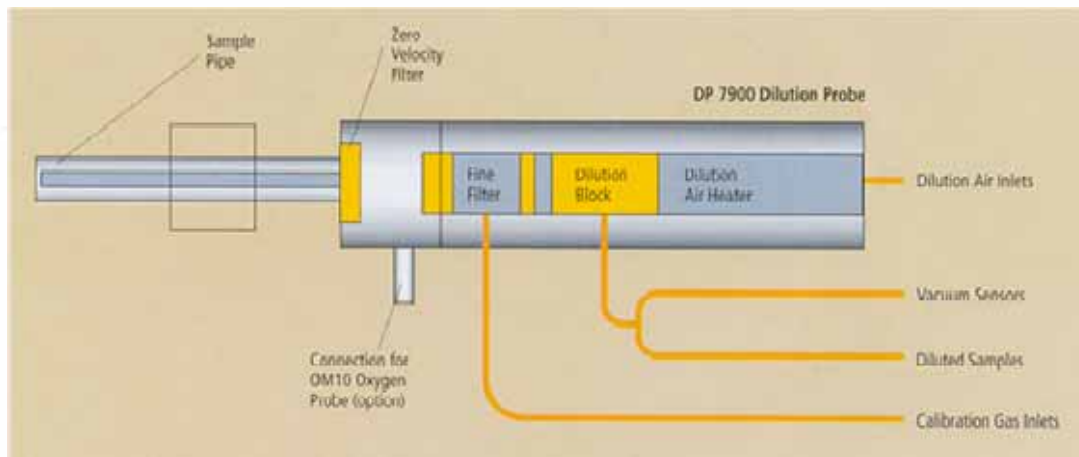
The DP7900 can be also be fitted with the OM10 Zirconium Oxide Probe for continuous measurement of stack oxygen content.

### Features

- Out-of-stack dilution using compact heated dilution block.
- Two orifice critical dilution capability.
- Sampling under vacuum prevents condensation.
- Zero velocity filter.
- Easy maintenance using 'quick release' couplings.

**ECOTECH**WORLD CLASS  
environmental  
MONITORING

## DP 7900 Dilution Probe



## Specifications

Dilution ratio:	2:1 to 100:1 (as standard 60:1)
Max. stack gas temperature:	+ 600°C
Max. dilution block temperature:	+ 200°C
Temp. sensor in dilution block:	RTD Pt 100
Material	
Probe:	Stainless steel
Sample pipe:	Stainless steel
Length	
Probe:	600 mm
Sample pipe insert:	500 to 1000 mm
Sample pipe diameter:	Ø 25 mm (1")
Probe Heater:	230 VAC, 300 W
Power supply to heater jacket:	230 VAC, 300 W
Mounting:	6-hole flange
Pneumatic connection:	6 mm / 1/4" compression fitting
Electrical connection:	Harting connector
Standard accessories:	600 mm pipe and a heater 230 VAC

## Options

- Length of probe up to 1500 mm
- PTFE lined sample pipe (up to 220°C)
- Ceramic sample pipe for temperatures up to + 1800°C
- Probe heater / Power supply 115 VAC, 300 W



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