



CAMBUSTION Dual Sampling Accessory for DMS500 / DMS50



**Automated switching of DMS500 or DMS50
between two sample locations**

Ideal for DPF efficiency measurements

Switching time <10 seconds

Full integration with DMS and test cell

Integrated primary dilution

Heated sampling system

The well established Cambustion DMS500 and DMS50 instruments output particle size, number and mass data at up to 10Hz.

The instruments' existing suitability for engine calibration (analogue inputs which allow real-time correction of measured concentrations for exhaust mass flows, fully integrated 2 stage diluter and heated sample line) is further enhanced by the new **Dual Sampling Accessory**.

Using two additional heated sampling lines and duplicating the primary dilution system, the DSA allows externally controlled switching of the DMS500 sample location.

Enhancements to the DMS500 software allow simultaneous external control of the dilution ratio, making the combination ideal for studying DPF performance in a cost effective manner. Other applications include crankcase fume separator studies and EGR cooler fouling investigation.

Combined with the DMS500's standard Digital Remote Control, the DSA enables unattended efficiency monitoring and is already in use by DPF manufacturers for quality control and durability testing monitoring.

Specifications

Switching time	Typically <10 seconds (line length dependant)
Primary dilution	5:1 transient or 10:1 steady state
Heated lines	Flexible, two. Length to customer specification
Switching signal (input)	External, voltage free
Switching signal (output)	Digital, 0 / 10V depending on input
Dilution ratio (input)	Analogue, 0-10 V
Electrical supply	110 or 230 V AC 1,000W (power line length dependant)
Dimensions	34w × 32d × 40h cm (Control Unit)

All specifications subject to change without notice.

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