

SCOPE OF WORK FOR THE SUPPLY OF FOUR PORTABLE FLUE GAS ANALYSERS AS PER THE PROVIDED SPECIFICATION:

Description of product that needs to be provided –

Description	Qty
Supply Portable gas analyser capable of measuring NO, NO ₂ , SO ₂ , CO, O ₂ and H ₂ S. The analysers must be able to log measurements and data be able to be extracted using a USB	4

Specification of the required portable flue gas analysers to be supplied: The analysers should at least meet the minimum requirements below.

Sensor	Detection Limit	Minimum Range	Repeatability	Resolution
O ₂	0.2% v/v	0 – 25% v/v	+/-1%	0.1% v/v
CO (Low)	2ppm	0 – 4000ppm	+/- 2%	0.1ppm
CO (High)	20ppm	0 – 10%	+/- 2%	0.1ppm
SO ₂	2ppm	0 – 5000ppm	+/- 2%	0.1ppm
NO	2ppm	0 – 5000ppm	+/- 2%	0.1ppm
NO ₂	2ppm	0 – 1000ppm	+/- 2%	0.1ppm
H ₂ S	4ppm	0 – 500ppm	+/- 2%	0.1ppm
CO ₂ (calculated)	0.25 v/v	0 – 20% v/v	+/- 2%	0.1% v/v
Hydrocarbons	Dependence on usage	0 – 5% v/v	+/- 5%	0.1% v/v
Flue gas ambient temperature	Measured	0 deg C	+/- 5%	
Draft	+/- 50hPa	0 hPa	+/- 5%	
Flow (velocity)	1 to 50m/s	1 m/s	+/- 5%	

- Data Logging. Data acquisition – simple to use windows reporting software. Data must be extractable using a USB
- Analogue Outputs – 4 to 20mA signals
- Sampling probes to be provided with required samplings hoses which must have a minimum of 1m length