

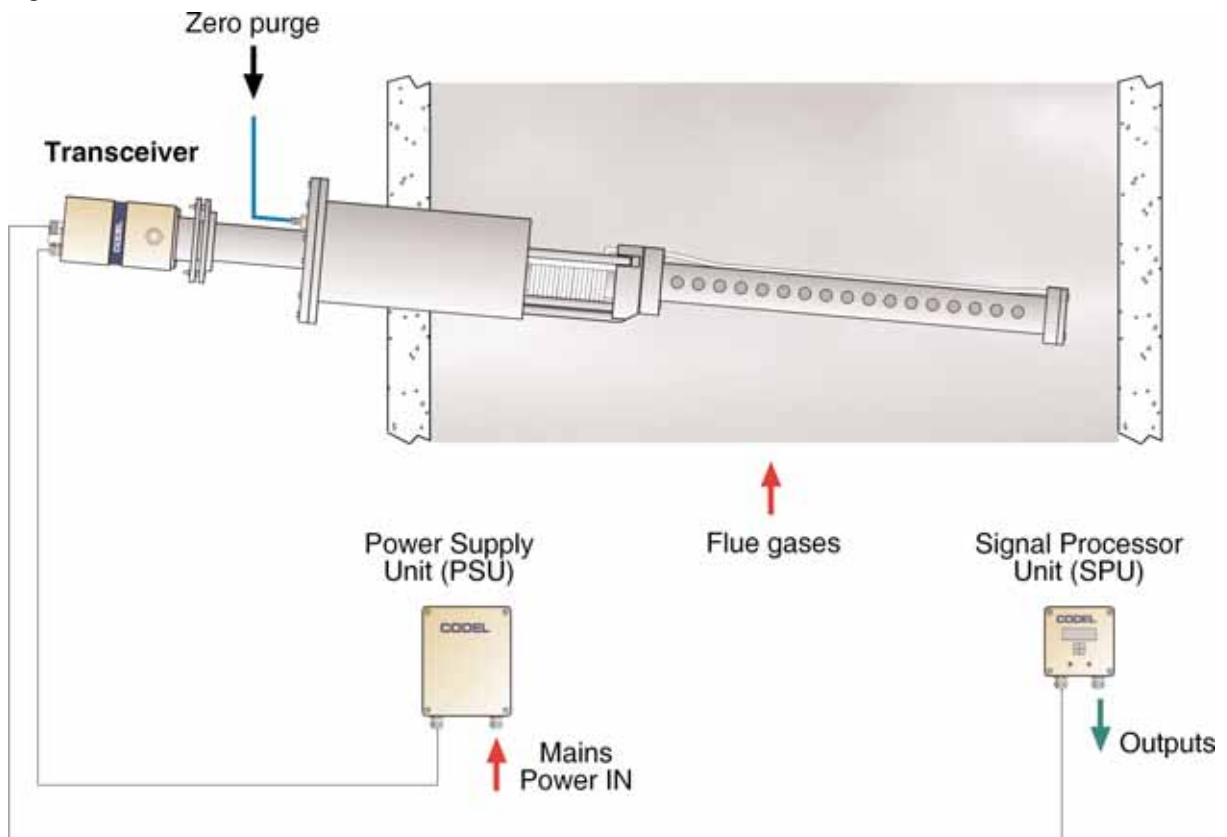
Model G-CEM1021 SO2 Monitor

Infrared Flue Gas Analyser

The G-CEM1021 analyser uses an in-situ probe set into a duct to measure SO₂ concentration in the flue gases. The probe includes a section that allows the diffusion of flue gases into the measurement zone or the dispersion of zero/purge air out of the tube and into the duct.

The analyser uses infrared gas filter correlation technology to determine the SO₂ levels in the flue gases as they diffuse into the measurement chamber. The diffusion cell enables accurate measurements to be made in high flue gas dust levels exceeding several gram/m³.

- infrared flue gas analyser
- stainless steel in-situ probe
- maintenance-free operation
- high dust loading operation
- auto zero
- remote data display
- data in ppm

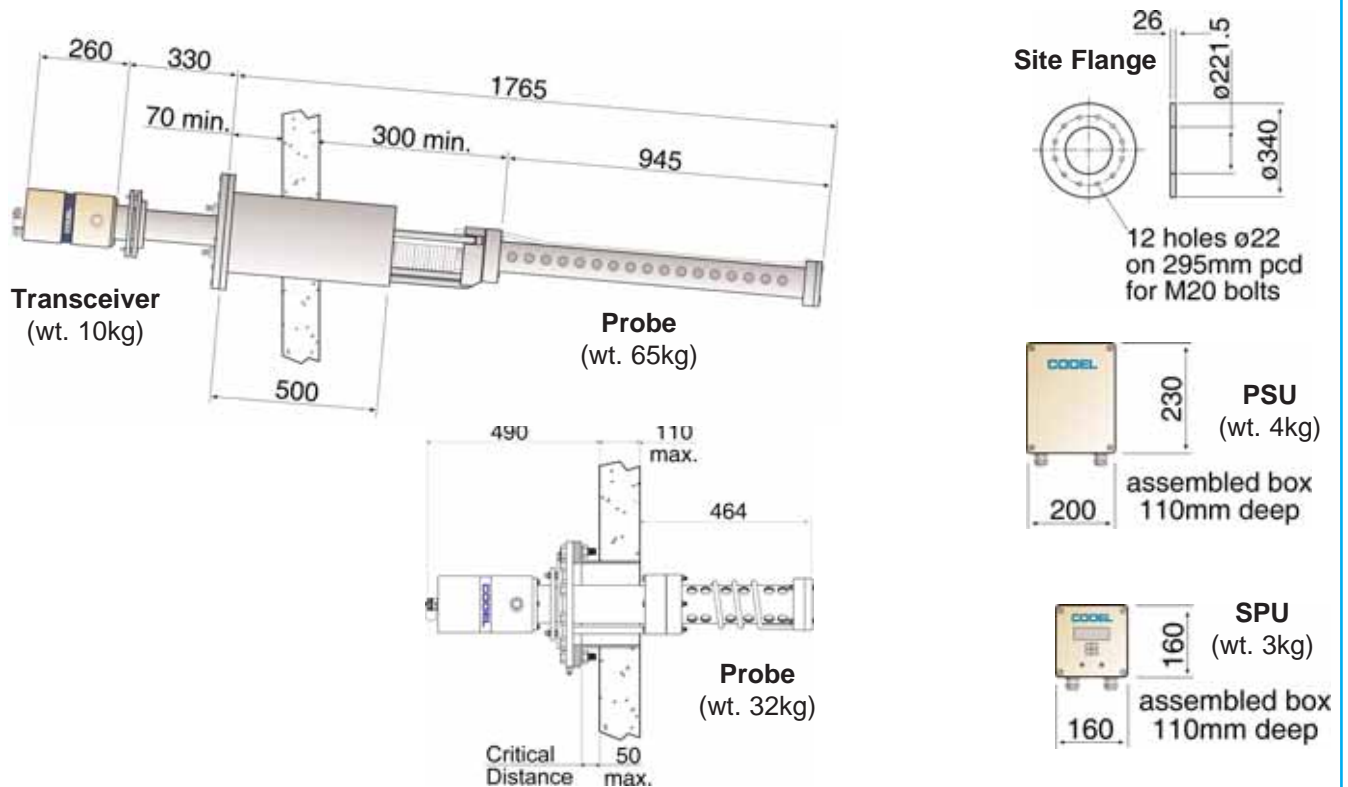


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Overall Unit Dimensions



Specification

Measurements

Operating Principle	- infrared gas filter correlation
Span	- fully selectable in the range 0-1000ppm
Averaging	- 4 rolling averages selectable from 10 seconds to 30 days
Accuracy	- $\pm 4\%$ of span
Response Time	- <200 seconds
Calibration	- auto zero

Compliances

EMC	- 89/336/EEC directive compliant
Low Voltage	- 73/23/EEC directive compliant

Input & Outputs

Analogue Outputs	- 2 x 4-20mA current outputs, isolated, 500 Ω load max., fully configurable from keypad
Logic Outputs	- 2 x volt-free SPCO contacts, 50V, 1A max., configurable as alarm contacts - 1 x volt-free SPCO contact, 50V, 1A max. for data valid

General

Display	- 32-character alpha-numeric back-lit LCD
Keypad	- 4-key soft-touch entry
Construction	- epoxy-coated aluminium to IP67
Ambient Temperature	- -20°C to +50°C
Flue Gas Temperature	- 300°C max.
Power	- 76V to 265V AC @ 50/60Hz, 60VA
Calibration Air	- compressed air, 10 litre/min @ 5bar

SmartCem

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