

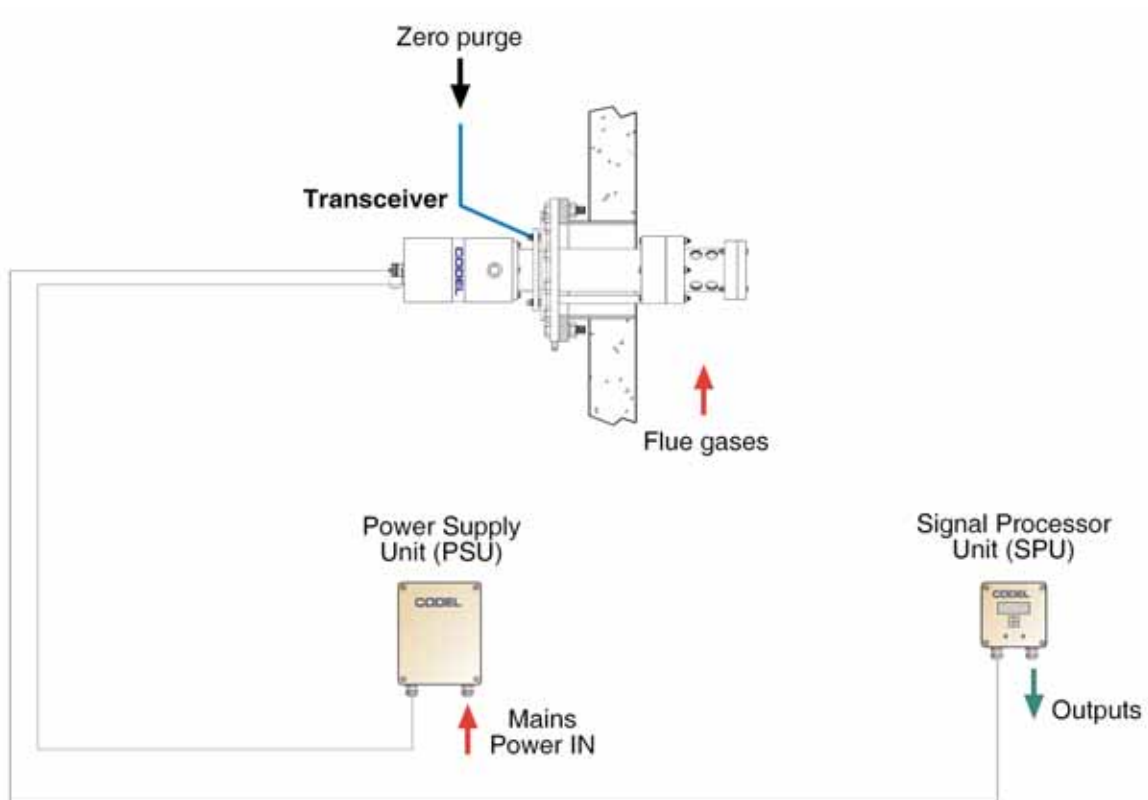
# Model G-CEM1080 CO2 Monitor

## Infrared Flue Gas Analyser

The G-CEM1080 analyser uses an in-situ probe set into a duct to measure CO2 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 CO2 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

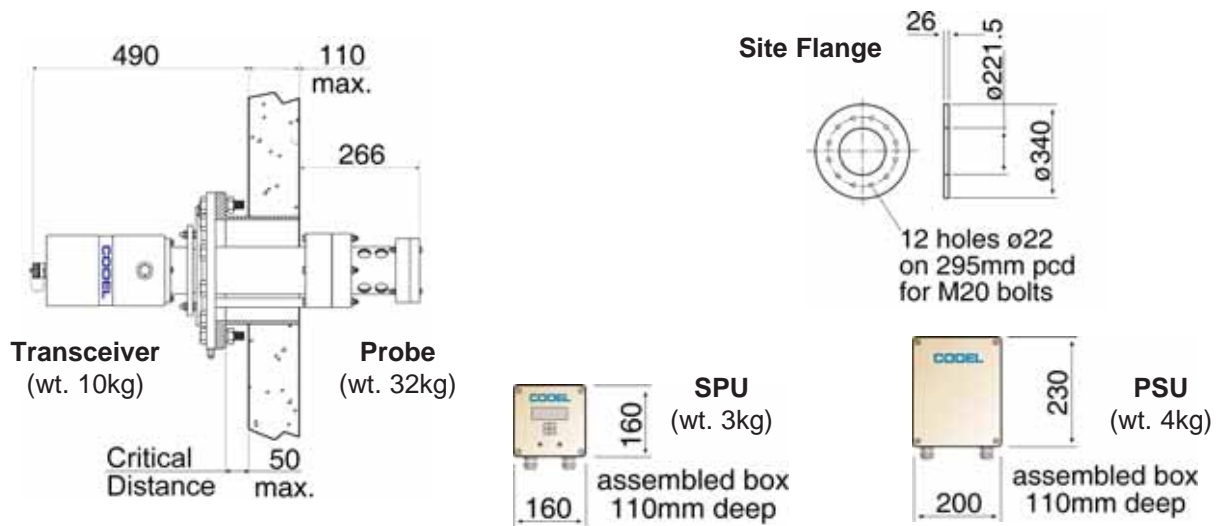


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## Overall Unit Dimensions



## Specification

### Measurements

Operating Principle	- infrared gas filter correlation
Span	- 0-20%
Averaging	- 4 rolling averages selectable from 10 seconds to 30 days
Accuracy	- $\pm 2\%$ 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 $\Omega$ 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	- compressed air, 10 litre/min @ 5bar Air

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