

AEMS | Technical specification



MEASUREMENTS

SENSOR	TYPE	RANGE	ACCURACY 0-5%	ACCURACY 5-FULL SCALE
CH4	Dual wavelength infrared cell	0-70% specification 0-100% reading	+/-0.3%	+/-1.0%
CO2	Dual wavelength infrared cell	0-60% specification 0-100% reading	+/-0.3%	+/-1.0%
O2	Electrochemical	0-5,000ppm typical	+/-1.0%	+/-1.0%

FIELD SERVER UNIT (FSU)

Integrated GSM radio (standard configuration)	900/1800MHz, GPRS capable, International Frequencies
Digital inputs	8 standard, (upgradable up to 48 input channels)
Analog inputs	8 standard: 4-20mA, (optional 0-5 V, or thermocouple)
Serial ports	1 RS232/422, 1 USB, 1 Ethernet, MODBUS compatible
Input power	Isolation Transformer for 110 or 240VAC
Industrial field rated computer	CE Platform

OTHER PARAMETERS

Flow rate	300-500cc/min, Vacuum - 100" W.C. Max
Temperature probe	10°C-75°C (14°F-167°F)
Conditioning unit (FAUCU)	Coalescing filter and membrane separator Efficiency of 99.97% (0.3-0.6 Microns)
Auto-calibration system	Maintain minimum +/-1.0% accuracy with analysis