

ETG 7500 SCRUBBER- EMISSION ANALYZER



- Analysis of CO₂, CO, O₂, SO₂
- NDIR technology
- Automatic Ratio SO₂ / CO₂
- ARM Processor
- Touch Screen monitor
- Ethernet and USB Remoting
- Continuous monitoring
- Analog & Digital Signal Output
- Low cost ownership
- Wall mounting version
- Modbus, Profibus, Ethernet (optional)
- Autozero
- Data downloadable on SD Card
- Plug & Play system gas analysis

Regulations on exhaust gas emitted from marine diesel engines are becoming increasingly stricter. The recently implemented MARPOL Annex VI specifies that the fuel used to power large sea bearing vessels must contain no more than 3.5% sulfur oxides by weight in non-Emission Control Areas and no more than 1.0% by weight in designated Emission Control Areas. This allowable weight percentage of SO_x will drastically decrease to 0.5% in 2020 for non-Emission Control Areas and 0.1% in designated Emission Control areas. One can easily predict that fuel expenses for ship-owners will increase along with the requirement for the use of lower sulfur content fuel

The ETG 7500 series of gas analyzers by ETG it's the ideal solution for CO₂, SO₂, CO measurement and industrial combustion applications because of their accuracy, stability, reliability, broad measurement range, and the variety of available form factors.

Unlike other analyzers, ETG 7500 non-dispersive infrared (NDIR) gas analyzers measure multiple gases in an instrument with a single optical path platform.

The enhanced optics and electronics of our NDIR analyzers have virtually eliminated zero drift after the initial warm up period. The temperature and pressure compensation eliminates the major causes of span drift in many NDIR instruments.

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Measurement Method	Gas	Resolution	Range (standard others on request)	Accuracy	Precision	Time
NDIR	SO2	0,01%	0-2000 ppm	1% fs	+/-0,8% fs	T90 & T10 <10 sec
NDIR	CO2	0,01%	0-20%	2% fs	+/-1,0% fs	T90 & T10 <10 sec
NDIR	CO	0,001%	0-2000 ppm	2% fs	+/-1,5% fs	T90 & T10 <10 sec
Electrochemical Sensor	O2	0,01%	0-25%	3% fs	+/-1,5% fs	<40 sec from ambient to 0,15 O2

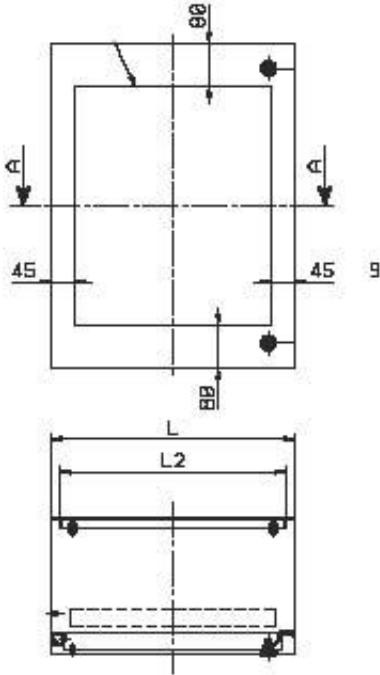
SPECIFICATIONS

Response Time	Response times are specified at a sample flow rate of a 1 liter per minute through the ETG 7500 sample cell
Data Refresh Rate	5 second
Warm-up Time	30 seconds ready, 3 minutes useable, 30 minutes to full performance
Operating Temperature	-10°C to 70° C (32° to 158° F)
Operating Humidity	To 95% RH (Non-condensing)
Operating Altitude	-300 to 3.000 m (-1.000 to 10.000 ft)
Communications (optional)	Ethernet – Profibus – Modbus
Analog Signal Output	4-20 ma for each measured compound

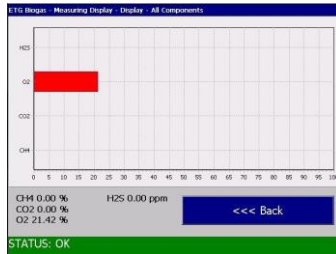
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Digital Output	Configurable for gas concentration, analyzer fault, high temperature, etc..
Monitor	Touch Screen 5.7" Resistive type
Calibration	Zero & span user selectable. Zero automatic calibration (optional)
Electrical supply	from 100 to 240 Vac 47-63 Hz
Pneumatic connection	6.0 OD 4.0 ID
Mechanical dimensions	806 x 606 x 300 mm
Weight	35 kg

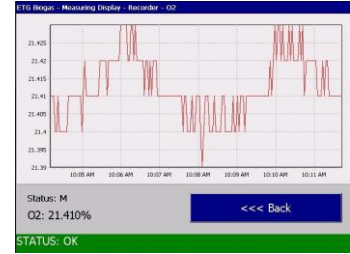
H = 60 W = 45 D = 30 cm



Bargraph and digital value



Trend and digital value



All the ETG MCA 100 - 6500 - 7500 series have Remote Support and Remote Access

- File transfer
- Data monitoring by your PC , tablet smartphone
- Software update

