



### THE NDIR AND THE NDUV TECHNOLOGY

ETG 7550 P its the first compact and lightweight stack gas analyzer which combine two advanced technology as : NDIR and NDUV on the same instrument . ETG 7550 P can simultaneously measure up to seven separate gas components as :

**SO<sub>2</sub>, NO , NO<sub>2</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>.**

With the use of high performance light emitting diodes (IR-LED) and thermal micro radiators ETG 7550 P showed a high stability and a low detection limit performing a high quality NDIR gas analysis.

The compounds detected with NDUV technique haven't any cross sensitivity thanks an enhanced miniaturized UV leds.

### MAIN FEATURES OF THE SAMPLE CONDITIONING STATION

In addition the ETG 7550 P can have a portable sample conditioning system having as task the dust and humidity removal as well to feed the analyzer at a compatible temperature.

- High flow rates of up to 250 NI/hr
- Very low wash out ratios even at high water vapour concentrations in the sample gas
- High inlet dew points up to 80 °C possible
- Reliable condensate separation even at very high ambient temperatures up to 50 °C
- Extremely precise long term stable dew point even under varying loads
- Maximum operational safety
- Low maintenance operation
- Easy to maintain design

### WHY ETG 7550 P IT IS ADVANCED

- ETG 7550 P don't use Electrochemical Cell but NDUV technology for SO<sub>2</sub>/NO/NO<sub>2</sub> and NDIR based for CO,CO<sub>2</sub> . For O<sub>2</sub> monitoring (paramagnetic) cell.
- ETG 7550 P it's a true portable CEM's station
- ETG 7550 P it's the best solution to be use with a wide variety of Industrial Emission Monitoring
- ETG 7550 P is composed by : rugged suitcase, portable sample conditioning system, heated hose , heated stack probe
- Short Warm Up and Fast response
- Ethernet , Wi Fi integrate , Anybus
- Automatic Calibration
- Monitor Touch Screen 7"
- RDS Remote Diagnostic Svstem

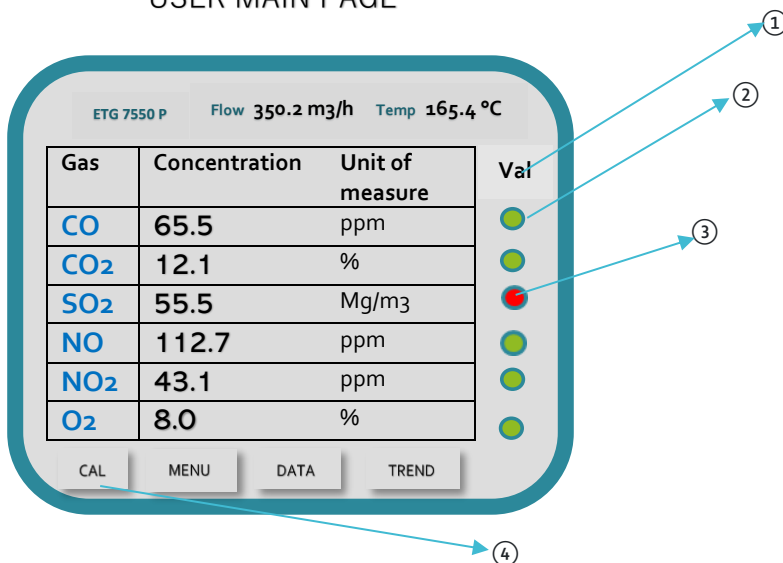
### PORTABLE PROBES AND GAS CONDITIONING SYSTEMS



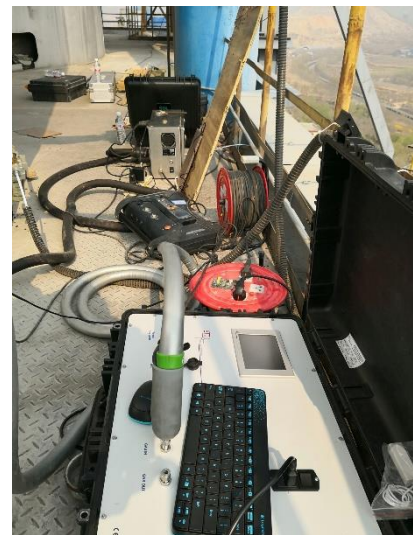
## RANGES and TECHNICAL DATA (Standard models ) \* for others range contact ETG

<b>NO<sub>x</sub></b>	0-100/250/500/1000/2500 ppm
<b>SO<sub>2</sub></b>	0-50/0-100/0-200/500/1000/3000 ppm
<b>CO</b>	0-300/500/1000/2000/5000 ppm
<b>CO<sub>2</sub></b>	0-1/0-10/20/30 vol%
<b>O<sub>2</sub></b>	0-5/10/25 vol% *
	*For paramagnetic method, please contact ETG representative in your area for the details
<b>Repeatability</b>	±0.5% of full scale (NO <sub>x</sub> : ≥100ppm range / CO: ≥1000ppm range) ±1.0% of full scale (Except above)
<b>Linearity</b>	±2.0% of full scale
<b>Drift</b>	±1.0% of full scale / day (For SO <sub>2</sub> analyzer only: ±2.0% of full scale / day)
<b>Response Time (Td+T<sub>90</sub>)</b>	20 sec. or less (From sample inlet)
<b>Sample Gas Flow Rate</b>	Approx. 0.5L/min.
<b>Display</b>	Monitor 7" touch screen
<b>Output</b>	USB port for data download , Anybus , WiFi , Ethernet port
<b>Sample gas condition</b>	Ambient temp. –Moisture below the ambient temp. saturation- Dust 0,1g/Nm <sup>3</sup>
<b>Warm-up Time</b>	10 min. ±2.0% of full scale / 2 hours
<b>Ambient Temperature</b>	0°C-40°C <32°F-104°F>
<b>Ambient Humidity</b>	Maximum 80% R.H. For temperature up to 31°C decreasing linearly to 50% at 40°C
<b>Power</b>	AC 100V to 240V ±10% (maximum 250 V), 50/60 Hz
<b>Power Consumption</b>	Approx. 120VA in a steady state, maximum 180 VA
<b>Dimensions</b>	21,88" L x 15,94" W x 9,81" D
<b>Weight</b>	Approx. 10kg - 12kg

### USER MAIN PAGE



- ① Validation Index
- ② Green colour – Validation Index OK
- ③ Red Colour – Validation Index failed
- ④ Automatic zero calibration



ETG RISORSE E TECNOLOGIA Srl  
Via P. Carpiignano 23 – 14026 Montiglio Monferrato AT – Italy  
Tel + 39 0141 99.49.05 – 99.49.52

[www.etgrisorse.com](http://www.etgrisorse.com)



a company ISO 9001 certified