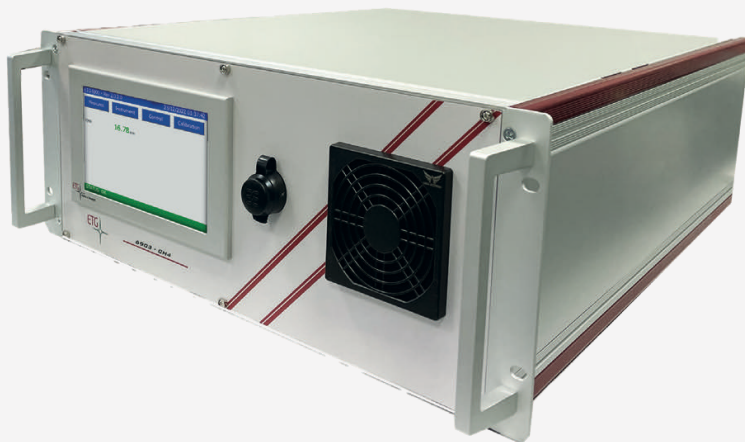


The power of TDLAS technology right at
your fingertips.

ETG 6900 TDL, the ultimate gas analysis solution that knows no limits



Multicomponent gas analysis

FOR

Industrial emissions monitoring, GHG emissions, and more.



ETG 6900 TDL WM



ETG 6900 TDL P

ADVANCED

TDLAS technology offers unmatched accuracy and precision for gas analysis in a variety of industries, including oil and gas, chemical, and pharmaceutical. With ETG 6900 you can analyze gases in real-time, with minimal sample preparation, and high sensitivity. ETG 6900 analyzer is the ultimate tool for your industrial and landfill applications.

THREE FORMATS

ETG 6900 analyzers are highly customizable; you can monitor a single compound or multiple elements simultaneously. Most communication protocols are also supported and several options are available. The ETG 6900 series analyzers are available in **Wall-Mounted, Rack 19" and portable format**. The rack 19" configuration is ideal for permanent installations, while the portable configuration is ideal for applications where the analyzer needs to be moved frequently, such as in **industrial process control**. The installed technology is always the same, in order to satisfy the customer's needs with the same level of reliability and precision.

ETG Risorse e Tecnologia offers a **complete system**; for example, if conditions require hot analysis (as in the case of monitoring Ammonia in industrial emissions), several heated lines and sampling probes are available, both fixed and mobile.

RELIABLE

This rugged and advanced tool is built to withstand even the harshest environments commonly found in industrial plants and landfills, making it the perfect choice for the most demanding applications. With a comprehensive warranty, you can trust the ETG 6900 to always deliver accurate and reliable results.

USER FRIENDLY

ETG 6900 is designed for ease of use, simple maintenance and maximum reliability. Its user-friendly interface and touch screen monitor makes it easy to operate allowing numerous automated and convenient functions. ETG 6900's low-maintenance design, makes it the ideal choice to keep in great working condition with minimal effort.

SPECIFICATIONS

	ETG 6900 TDL 19"	ETG 6900 TDL P	ETG 6900 TDL WM
Enclosure	19" Rack	Rugged Case	Wall Mounted
Dimensions (L x W x D)	19" x 6hE x 550 mm	500 x 280 x 400 mm	600 x 800 x 350 mm
Weight	12 kg	7.2 kg	30 kg
IP Class	N/A	IP54 (optional)	IP54

Principle of detection	Tunable Diode Laser Absorption Spectrometry (TDLAS)
Accuracy	±2% reading, depending on integration stability (temp. & pressure)
Max error on temperature compensation	<0,1 % rel./°C
Linearity & Repeatability	Included in the accuracy
Cross talk/interference	Gas matrix and applic. dependent
Display	7" touchscreen
Displayed resolution	0,01% or 0,1 ppm (depending on measuring range)
Refresh rate	1 s
Analog signal output	4-20mA (for 19" rack only)
Electrical supply	230/115 VAC 50/60 Hz
Power consumption (analyzer)	70W (not heated), 170W (heated)
Power consumption (heated line + probe)*	80W/m + 80W
Sample Pump	Included
Certification	CE
Heated hose*	180°C thermocontrolled
Heated probe*	180°C thermocontrolled w/ internal heated filter

*Only applicable to heated configurations

User Interface Overview



TARGET GASES

	ETG 6900 CH ₄	ETG 6900 NH ₃ /H ₂ O	ETG 6900 CH ₄ /CO ₂	ETG 6900 CH ₄ /C ₂ H ₆
Gas(es) detected	CH ₄	NH ₃ , H ₂ O	CH ₄ , CO ₂	CH ₄ , C ₂ H ₆ .
Measuring ranges Gas 1	0 - 100, 40000 ppm	0 - 15, 50, 100, 1000 ppm	0 - 100 ppm	0 - 100, 40000 ppm
Precision	<0.8 ppm, <250ppm	<0.8 ppm	<0.8 ppm	<1.5 ppm, <250ppm
Measuring ranges Gas 2	/	0 - 3% vol	0 - 100000 ppm	0 - 1000 ppm
Precision	/	<0.2 % vol.	<2000 ppm	<15 ppm
Measurement type	Extractive, ambient temp.	Extractive, ambient temp.	Extractive, ambient temp.	Extractive, ambient temp.
T ₉₀ time @ 2 l/min	1.8 s	3 s	30 s (@ 0.3 l/min)	1.8 s, 15 s
Heated/Not Heated	Not Heated	Not Heated	Not Heated	Not Heated

	ETG 6900 C ₂ H ₂ /H ₂ O	ETG 6900-H H ₂ O	ETG 6900-H NH ₃ /H ₂ O	ETG 6900-H HCl/H ₂ O
Gas(es) detected	C ₂ H ₂ , H ₂ O	H ₂ O	NH ₃ , H ₂ O	HCl, H ₂ O
Measuring ranges Gas 1	0 - 100, 500 ppm	0 - 30 % vol.	0 - 15, 50, 100, 1000 ppm	0 - 15, 50, 100, 500 ppm
Precision	<0.8 ppm	0.2 % vol.	0.2 ppm	0.2 ppm
Measuring ranges Gas 2	0 - 3 % vol.	/	0 - 30 % vol.	0 - 30 % vol.
Precision	<0.1 %	/	0.2% vol.	0.2% vol.
Measurement type	Extractive, ambient temp.	Hot-wet up to 220°C	Hot-wet up to 220°C	Hot-wet up to 200°C
T ₉₀ time @ 2 l/min	60 s (@0.6 l/min)	3 s	3 s	3 s
Heated/Not Heated	Not Heated	Heated	Heated	Heated