



ETG 6900 P

Portable NDUV Analyzer For Cl₂

The ETG 6900 P is a Non-dispersive Ultraviolet (NDUV) based portable analyzer designed to measure the toughest gases accurately and reliably in a large variety of applications.

Description

The ETG 6900 P Cl₂ (Chlorine) performs Chlorine measurement based on NDUV technology which is a well-known method for determining concentrations in complex gas mixtures. This gas analyzer utilizes modern optical components to achieve optimized results. Special LED-technology is used in order to get stable radiation emission. The result is a high-resolution gas analysis system which can detect gas concentration changes of less than 1 ppm.

The ETG 6900 P presents a clear alternative to current sub-optimal detection solutions and combines precise, contact-less measurements with high target gas selectivity, calibration-free operation, and low-cost-of-ownership.

Features and Benefits:

- > Very fast detection (T₉₀ in 200 ms.) with innovative NDUV technology
- > Internal sample pump
- > "Hot" measurement (dry sample required)
- > Complete system in robust case
- > Zero & Span calibration
- > Demountable cell construction
- > Low cost-of-ownership
- > Touch screen monitor
- > Ethernet and USB Remoting
- > Digital and Analog I/O, Modbus, Profibus, Ethernet outputs
- > Low maintenance – high reliability
- > Includes sample line and sample probe

All-in One Portable Sample Probe and Line

- > Built-in, heated filter element
- > Sample conditioning system (option)
- > Robust hose line
- > Tool-less filter element change
- > Dust load max. 2 g/m³
- > PTFE core DN 4/6
- > Material Silicone, PTFE, stainless steel, polyamide



APPLICATIONS

- > Chlor-Alkali Industry
- > Environmental Measurement
- > Process Measurement

MONITORING SOLUTIONS

Complete source for all your Continuous Emissions Monitoring (CEMS) needs:

- > Both Dilution and Extraction CEMS systems
- > Data Acquisition Systems (DAS)
- > Flow Monitoring
- > Opacity Monitoring
- > Oxygen Monitoring Systems
- > Particulate (PM) Monitoring
- > Process Monitoring Systems

Gas	Chlorine (Cl₂)
Measurement Technology	Non-dispersive Ultraviolet (NDUV)
Measuring Range	Cl ₂ 0-1,000 ppm up to 5%, H ₂ 0-50%
Accuracy	±2% full scale depending on integration stability (temp. & pressure)
Precision	0.8 ppm
Measurement Type	Dry Hot Extractive
Operating Temp.	5-50°C
Zero Drift over 2 hours	Within accuracy
Span Drift over 8 Hours	Within accuracy
Max. Error on Temperature Compensation	<0.1% of reading/°C
Cross Talk/Interference	Gas Matrix & Application Dependent
Displayed Resolution	0.1 ppm
Warm-up Time	1-30 minutes
Refresh Rate	1s to 120s
Detection Limit	<1% of span
Radiation Source Life	>20,000 hours
Ambient Temperature Compensation	-10 to 65 °C
Measured Gas Max. Humidity	Abs. H ₂ O needs calibration
Probe Material	Stainless Steel (or Inconel Option)
Electrical Supply	110 VAC/ 60 Hz

CONTACT

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 Indianapolis, IN 46254
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Specifications (cont.)

Case Dimensions	50 cm x 28 cm x 40 cm
Weight	~16 lbs.
Pneumatic Connections	Swagelok 6 mm OD
Sample Pump	Internal
Heated Hose	3 or 5 meter length - 180°C Thermo-controlled



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