

HALO+ H2O 500

0-500ppm Range

Trace Moisture Analyzer for Gas Analysis



Designed for trace moisture detection, the compact HALO+ H2O 500 offers:

- Tiger Optics' patented Continuous Wave Cavity Ring-Down Spectroscopy trace gas sensor
- Accuracy traceable to world's national reference labs
- Fastest speed of response
- Very compact analyzer footprint
- Great sensitivity
- Wide dynamic range
- Automated maintenance functions
- No span or zero calibration gases required...*EVER!*
- Compatible with most inert, corrosive and toxic gases

PERFORMANCE

Lowest Detection Limit*:	20 ppb
Sensitivity:	10 ppb
Accuracy (greater of):	4% of reading or ± 10 ppb
Speed of Response (typical):	90% response < 2 minutes
Operating Range:	0-500 ppm
Environmental Conditions:	10°C-40°C
Storage Temperature:	-10°C-50°C

DIMENSIONS

Mounting (H x W x D):	8.75" x 8.5" x 27" (22.2 cm x 21.6 x 68.6)
Weight:	28 pounds (12.7kg)

MATERIALS OF CONSTRUCTION

Materials of Construction:	316L stainless steel (optional Hastelloy®)
Wetted Components:	10 Ra surface finish
Gas Connection:	1/4" M VCR Inlet & Outlet
Leak Tested to:	$< 2 \times 10^{-8}$ mbar • l /sec

GAS SAMPLE CONDITIONS

Sample Inlet Pressure:	10 - 125 psig
Flow Rate:	~1 slpm (N ₂)
Sample Gas:	Most inert, passive, toxic and corrosive gases
Sample Line Temperature:	Up to 60°C

ELECTRICAL

Alarm Indicators:	User programmable set points
Power Requirements:	90-240 VAC, 50/60 Hz
Power Consumption:	200 Watts max.
Output Signals:	
• Recorder	0-5VDC, Isolated 4-20
• Alarm	Form-C relay
Communications:	RS-232, Wireless (optional)
User Interface:	5.6" LCD touch screen, 10BaseT Ethernet, RS-232/422

TECHNOLOGY

Approvals:	CE: LVD & EMC
Method:	Cavity Ring-Down Spectroscopy
Patents:	U.S. Patent # 5,528,040 Other Patents Pending