

TRUEPEAK O₂ PROCESS LASER OXYGEN ANALYZER



The Process Oxygen Solution

- ▶ Cross over technology - Paramagnetic or Zirconia applications
- ▶ In situ or close coupled
- ▶ Rapid measurement
- ▶ Interference free
- ▶ TruePeak measurement
- ▶ Process pressure up to 20 bara
- ▶ Process temperature up to 1500 degrees Celsius
- ▶ Optical measurement - no sensor contact with process
- ▶ Flexible installation options
- ▶ Aggressive applications - high particulate, corrosives, and more

Providing True Analytical Solutions



TECHNICAL SPECIFICATIONS

Path Length 1-20 meters

Response Time 1-20 seconds

Accuracy 2% FSD

Linearity R2=0.9999

Ambient Temperature -10 to 50C

Detection Limit 0.01% Oxygen

Analog I/O (optional) **Outputs:** Concentration/Transmission (3@0/4-20mA isolated) Sub 4mA for warnings/faults

Inputs: Pressure/Temperature Feed for Compensation (2@4-20mA isolated)

Digital I/O **Outputs:** Warning/Fault/Concentration Limit Relays (3 Form C Relay SPDT rated 1A@24VDC)

Valve Control (3@24VDC, Max 10W per valve), zero/span/dynamic spiking

Inputs: Remote Validation (3 voltage free floating contacts) for zero/span/dynamic spiking

Area Classification Zone/Div 1/2 with purge

Communications Ethernet, IEEE 802.3, 10/100 Mbps, RJ45
WiFi 802.11 (optional)
Automatic USB data transfer (upload/download settings and data)

Calibration Recommended Calibration Check Interval 3-6 Months

ACCURATE

Paramagnetic and Zirconia oxygen analyzers suffer from cross interferences. **Even other laser based analyzers can have interference problems. Sample transport and conditioning can add measurement errors.**

The TruePeak TDL provides *truly interference free oxygen measurement.* With in-situ or close coupled analysis sample handling errors are eliminated.

Combined with near real time analysis (2-20s) the TruePeak provides a fast accurate oxygen analysis.

RELIABLE

With no sensor contacting the process, reliability is increased. This means you can make measurements in the most demanding applications (high dust, corrosive, aggressive).

Elimination of complex sample conditioning further improves uptime and reliability.

No moving parts and long MTBF ensures low long term cost of ownership.

PROCESS HARDENED

Other laser analyzers were designed for open path or stack only applications. The TruePeak analyzer has been designed for demanding high pressure, high temperature, aggressive process applications.

Flexible installation options, materials of construction, and validation methods makes the ASI TDL a perfect solution for the most aggressive process applications. A unique alignment method allows adjustment without compromising the process seal.

ADVANCED

Built in diagnostics and storage, spectra capture, automatic validation and multiple communications options make the ASI TruePeak the most advanced oxygen analyzer available.

Please consult your representative for specific application performance
Technical specification are subject to change without notice. Please
contact your local representative or visit www.analyzer.com for the
most current specifications.

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