The best just got better

Yokogawa’s new TDLS8000 houses all of the industry’s leading features in one robust device.

- SIL2 TruePeak combined with smart laser technology
- Intuitive touchscreen HMI
- HART and Modbus TCP communications standard
- 8-stage auto-gain adapts to difficult applications
- Fully field repairable with 50 days of data and spectra storage
- Compact design for one-man installation without sacrificing ruggedness
- Area classification Zone2/Div2 (Pending) or Zone1/Div1 (Pending)

**System Configuration**

- **Standard System configuration**
  - HART communication available
- **System configuration with HMI**
- **Multi Analyzer configuration with Remote HMI**
  - Up to 4 units connection available

**High Reliability**

- **Reference Cell**
  - Internal reference cell in the laser module ensures peak locking during trace measurement
- **Auto gain**
  - Auto-gain enables wide signal ranges against dynamic variation of transmission.

**Validation**

- Validation can be initiated manually, remotely, or automatically on a daily, weekly or monthly basis defined by the user.
- **SIL2 certified**
  - IEC61508 SIL designed & approved, SIL2 capability for single analyzer use, SIL3 capability for dual analyzer use.

**TruePeak**

- TruePeak Spectra (10% O2 in different background gases)
- Traditional TDL Spectra (10% O2 in different background gases)

**Intuitive touchscreen HMI**

- **Touchscreen 7.5 inch color LCD on HMI**
  - Makes it simple to operate.
  - Gives all the information including trend graph and eliminate PC to maintenance.
  - Can be remotely installed.
- **Mini Display**
  - Optical transmission at both the ends for easy alignment.

**Limiting O2 Concentration for safety and process monitoring & control**

Yokogawa TDLS8000 O2 analyzer achieves:

- No Sampling system Operation
- Fast Response Analysis
- No Interference Analysis
- Less Maintenance Operation
Specifications

TDLS8000

STANDARD SPECIFICATIONS

Measurement object

Measurement system

Measured components and ranges

Optical path length

Analog output

Digital communication

Digital output

Valve control output

Alarm

Digital input

Analog input

Self-diagnostics

Calibration

Validation

Power supply

Warm-up time

Protection degree

Hazardous area classifications

Process gas condition

Installation condition

PERFORMANCE

YH8000

Display

Communication

Protection degree of enclosure

Weight

Mounting

Cable Entries

Installation conditions

Power Supply

Hazardous area classifications

VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.