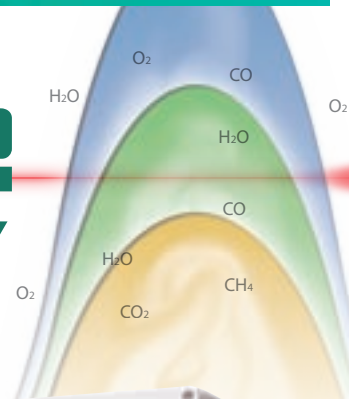


TruePeak evolves  
your plant to VigilantPlant

# Enabling improved process control

TDL S Gas Analyzer

## TDL S200 *TruePeak*



The TruePeak TDL S measures gas concentrations inside the process, using a tunable diode laser. As the laser travels through the process, the amount of light absorbed by the process gas is measured to determine the gas concentration.

### Designed for the most demanding applications

- O<sub>2</sub> concentration in vapor recovery and process applications
- Combustion Gas Analysis of O<sub>2</sub>, CO, CH<sub>4</sub>, gas temperature
- Trace H<sub>2</sub>O in aggressive processes



Traditional analyzers  
have to extract the sample



Adding cost

Slowing response

Compromising accuracy

- Unreliable and inaccurate measurements
- Problems with extracting, conditioning and transporting the sample
- Sensor degradation
- Measurement interferences

TruePeak  
measures in-Situ



Reduced cost

Real time response

Improved accuracy

- In Situ measurement representative of the process
- No direct sensor contact
- Realize operational and environmental improvements
- Enhance your process safety and efficiently

<http://www.yokogawa.com/iab/vigilantplant/tdl/iab-vp-tdl-en.htm>

Bulletin 11Y01B01-51E

[www.yokogawa.com](http://www.yokogawa.com)

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The clear path to operational excellence

**YOKOGAWA** 

# Enabling improved process control

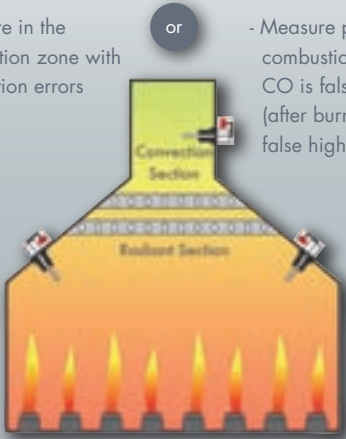
## Traditional combustion analysis

You had to make a difficult choice

- Measure in the combustion zone with distribution errors

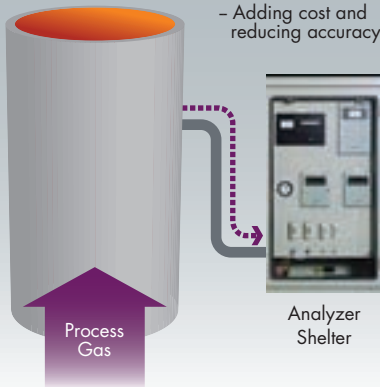
or

- Measure past the combustion zone where CO is false low (after burning) and O<sub>2</sub> is false high (tramp air)



## Traditional process oxygen analysis

- Introducing measurement errors and slowing response
- Adding cost and reducing accuracy



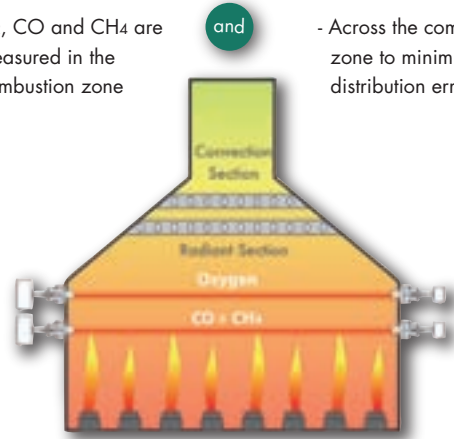
## TruePeak combustion analysis

You no longer have to compromise

- O<sub>2</sub>, CO and CH<sub>4</sub> are measured in the combustion zone

and

- Across the combustion zone to minimize distribution errors

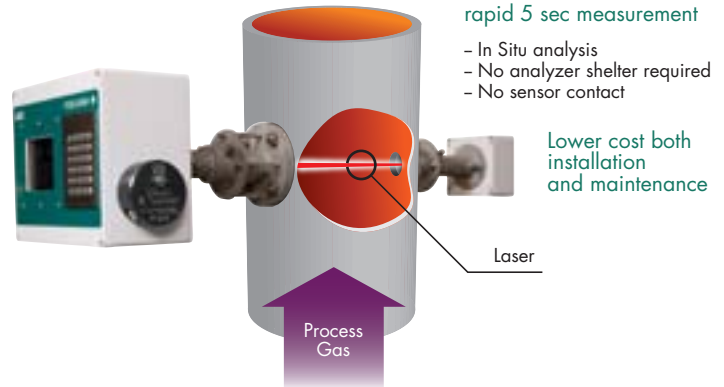


## TruePeak process oxygen analysis

You can measure directly in the process

Interference free and rapid 5 sec measurement

- In Situ analysis
- No analyzer shelter required
- No sensor contact



YOKOGAWA  
TDL5200  
**TruePeak**

Ask our expert: [tdls@us.yokogawa.com](mailto:tdls@us.yokogawa.com)

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The clear path to operational excellence

SEE  
CLEARLY

KNOW  
IN ADVANCE

ACT  
WITH AGILITY

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.

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