

## Tunable Diode Laser Skid For Upgrading Paramagnetic Systems



### Easy Upgrade of Outdated Analyzers

Upgrade old paramagnetic analyzers effortlessly with the compact GPro 500 Retrofit Skid, featuring a state-of-the-art tunable diode laser spectrometer. Its small footprint allows for seamless integration into existing cabinets.



### Save Time and Engineering Efforts

The GPro 500 Retrofit Skid is a complete turn-key solution that integrates with your existing sampling system, requiring minimal modifications and ensuring immediate functionality.



### Designed for Harsh Process Conditions

Tunable Diode Laser (TDL) technology is non-depleting and non-contact. A pressure-tested window separates process gas from the sensing instrument.



### Low Maintenance and Operating Costs

The GPro 500 analyzer series is designed to operate without regular maintenance or calibration. Except for yearly preventive maintenance, no additional servicing is required to ensure optimal uptime and accurate readings.



### GPro 500 TDL Skid

#### Replaces Paramagnetic Analyzers

The GPro™ 500 Retrofit Skid is an ideal solution for upgrading outdated and maintenance-prone paramagnetic analyzers in existing extractive systems. With its comprehensive design, it provides a complete solution that minimizes the need for modification work on the sampling system.

In contrast to paramagnetic, Tunable Diode Laser (TDL) technology is non-contact, therefore a safe and more reliable option for gas sensing in harsh environments. TDL spectrometers also are immune to the 'sudden death' problem that is often associated with paramagnetic analyzers.

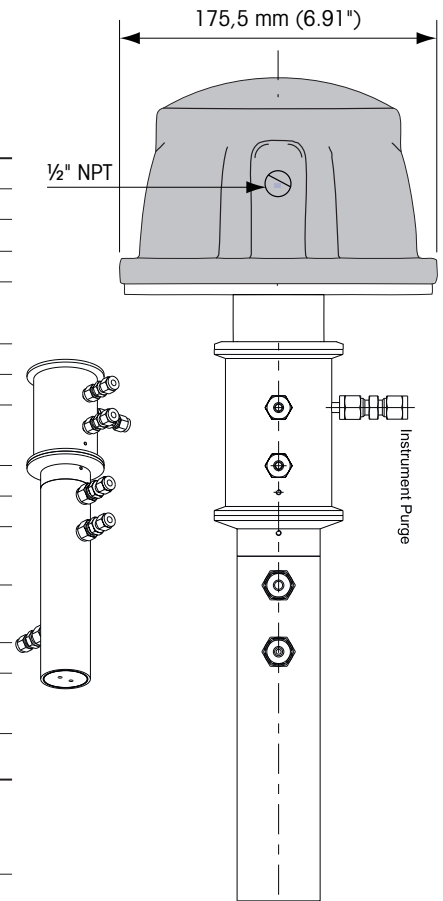
## Standard GPro 500 Retrofit Skid Technical Data

Technical Data	
Gas Measured	Oxygen
Effective Path Length	250 mm/9.84"
Lower Detection Limit	0.05 % vol O <sub>2</sub> for 250 mm optical path length
Measurement Range	0–100 %
Accuracy	1 % of reading or 500 ppm O <sub>2</sub> , whichever is greater
Linearity	Better than 1 %
Resolution	0.05% vol O <sub>2</sub>
Drift	Negligible (<2 % or measurement range between maintenance intervals)
Sampling Rate	1 second
Response Time GPro 500	21 % O <sub>2</sub> in N <sub>2</sub> to N <sub>2</sub> in <2 seconds
Repeatability	± 0.25 % of reading or 0.05 % whichever is greater
Process Pressure Range	0.1 bar–10 bar (abs.)/1.45 psi–143.03 psi (abs.)
Process Temperature Range	0–250 °C/32–482 °F
No additional purging for Ex protection	

### Ordering Information

For quotes or ordering information about the GPro 500 Skid contact your local METTLER TOLEDO representative.

► [www.mt.com/contacts](http://www.mt.com/contacts)



Technical drawing

► [www.mt.com/ Extractive-Adaption](http://www.mt.com/Extractive-Adaption)



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Process Analytics  
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