

# LD2000



## ONLINE TRACE TOTAL HYDROCARBON ANALYZER



The LD2000 is an easy to use instrument that offers the ideal solution for the total hydrocarbon measurements. Its compact and robust design perfectly fits on any industrial installation. The LDetek FID and electronic platform bring the performances required by the market.

### FEATURES:

- LDetek FID design offering low maintenance
- Bootloader integrated for software update via Ethernet
- Large scale measurement
- 4-20 mA output as standard
- Range Identification Relay
- Unique LDetek Electronic flow controller design
- 3U cabinet



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## APPLICATIONS:

- Air separation unit
- Cryogenic truck loading station
- Speciality gas laboratories
- Process control
- Steel Industries
- Chemical plants
- Welding gas control
- Gas management system
- Quality control for truck fills and gas cylinders
- Safety
- Product validation
- Scrubber & oxidizer efficiency
- Carbon bed breakthrough detection
- Well logging
- Industrial hygiene & safety monitoring
- Fence line (perimeter) monitoring around industrial sites
- CEMS (continuous emission monitoring systems)

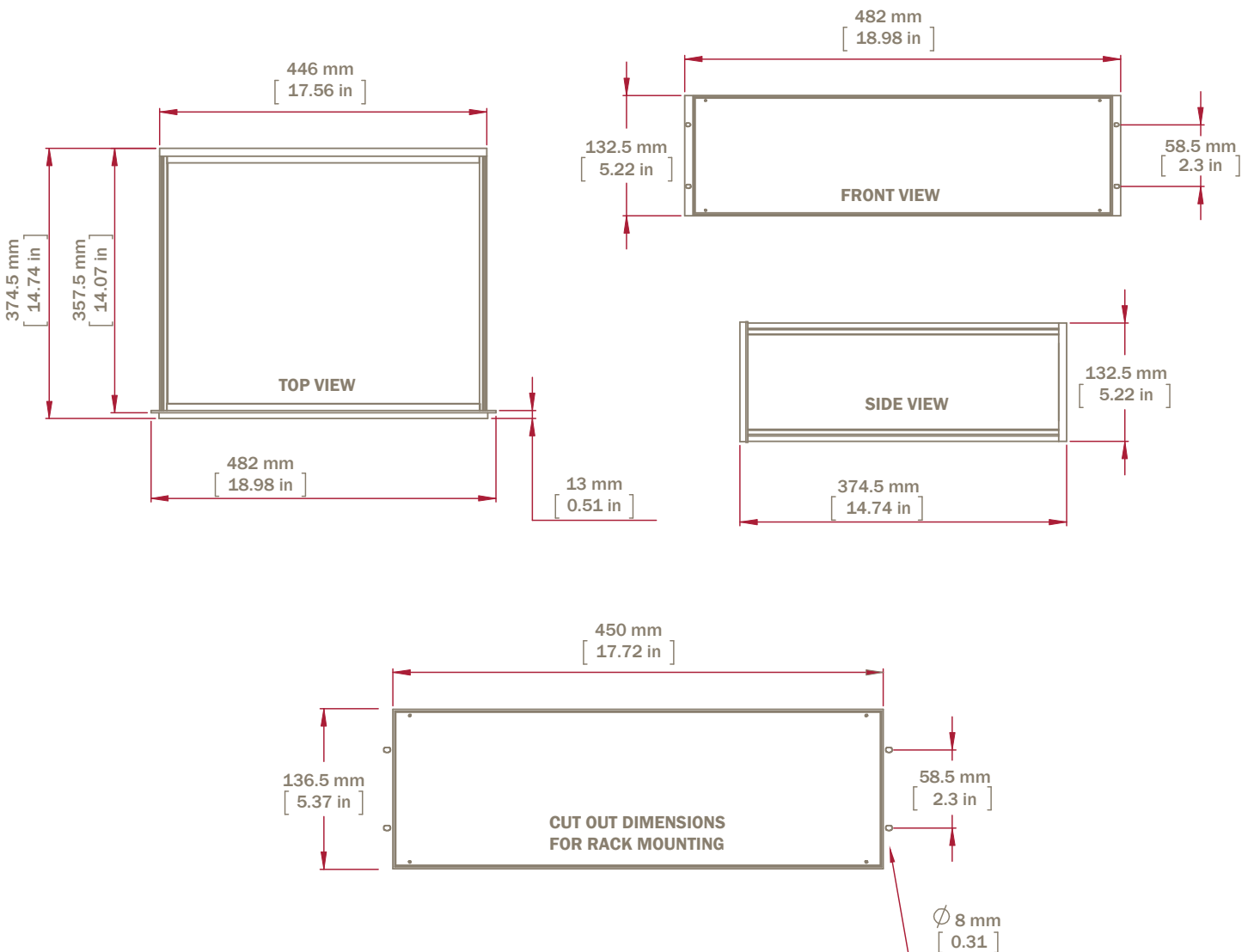
## SPECIFICATIONS:

<b>DETECTOR TYPE</b>	Flame Ionisation Detector
<b>RANGE</b>	0-10 ppm 0-100 ppm 0-1000 ppm other range possible
<b>REPEATABILITY</b>	< 1% full scale
<b>ACCURACY</b>	Better than $\pm 1\%$ full scale
<b>STANDARD FEATURES</b>	<ul style="list-style-type: none"><li>• Manual or autoranging (user selectable)</li><li>• Microprocessor controlled</li><li>• 5.6" TFT intelligent LCD module with Touch Screen</li><li>• Self diagnosis system with auto-resolve alarm</li><li>• 4-20 mA isolated output</li><li>• Alarm Historic</li><li>• Digital outputs for remote monitoring: (all dry relay contacts)<ul style="list-style-type: none"><li>- System status (1 output)</li><li>- Range in use (3 output)</li><li>- Calibration in use (1 output)</li></ul></li></ul>
<b>OPTIONS</b>	<ul style="list-style-type: none"><li>• Serial port: RS-232 / 422 / 485 / Profibus</li><li>• 2 alarm outputs (user programmable set point)</li></ul>
<b>GAS CONNECTIONS</b>	Sample: 1/8" compression fittings Vent: 1/8" compression fitting
<b>CALIBRATION GAS</b>	Zero: LDP1000 purified gas (Getter) Span: 80%-90% of full scale of methane
<b>SAMPLE FLOW REQUIREMENTS</b>	50 to 200 sccm
<b>AIR FLOW REQUIREMENTS</b>	200 to 600 sccm
<b>FUEL FLOW REQUIREMENTS</b>	40 to 150 sccm
<b>RECOMMENDED MAXIMUM OPERATING PRESSURE</b>	40 PSIG
<b>RECOMMENDED MINIMUM OPERATING PRESSURE</b>	10 PSIG
<b>OPERATING TEMPERATURE</b>	10 °C to 45 °C
<b>SUPPLY</b>	115 VAC 50 - 60 Hz or 220 VAC 50 - 60 Hz
<b>POWER CONSUMPTION</b>	Maximum 50 watts
<b>DRIFT</b>	< $\pm 1\%$ over 24 hours
<b>WEIGHT</b>	07 lbs (40 Lbs)

## ORDERING INFORMATION:

LD2000	-X	-XXX	-X	-XXX
	<b>Ar:</b> Argon <b>H:</b> Helium <b>O:</b> Oxygen <b>N:</b> Nitrogen <b>A:</b> Air	Operating Voltage: <b>120:</b> 120 volts <b>220:</b> 220 volts	<b>A:</b> Alarm option	Serial communication <b>RS2:</b> RS-232 <b>RS4:</b> RS-485 <b>PFB:</b> Profibus

## DIMENSIONS:





Where **innovation** leads to **success**



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