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
DETECTOR TYPE
Flame Ionisation Detector

RANGE
0–10 ppm
0–100 ppm
0–1000 ppm
other range possible

REPEATABILITY
< 1% full scale

ACCURACY
Better than ±1% full scale

STANDARD FEATURES
• Manual or autoranging (user selectable)
• Microprocessor controlled
• 5.6” TFT intelligent LCD module with Touch Screen
• Self diagnosis system with auto-resolve alarm
• 4-20 mA isolated output
• Alarm Historic
• Digital ouputs for remote monitoring: (all dry relay contacts)
  - System status (1 output)
  - Range in use (3 output)
  - Calibration in use (1 output)

OPTIONS
• Serial port: RS-232 / 422 / 485 / Profibus
• 2 alarm outputs (user programmable set point)

GAS CONNECTIONS
Sample: 1/8” compression fittings
Vent: 1/8” compression fitting

CALIBRATION GAS
Zero: LDP1000 purified gas (Getter)
Span: 80%-90% of full scale of methane

SAMPLE FLOW REQUIREMENTS
50 to 200 sccm

AIR FLOW REQUIREMENTS
200 to 600 sccm

FUEL FLOW REQUIREMENTS
40 to 150 sccm

RECOMMENDED MAXIMUM OPERATING PRESSURE
40 PSIG

RECOMMENDED MINIMUM OPERATING PRESSURE
10 PSIG

OPERATING TEMPERATURE
10 °C to 45 °C

SUPPLY
115 VAC
50 – 60 Hz or 220 VAC
50 – 60 Hz

POWER CONSUMPTION
Maximum 50 watts

DRIFT
< ± 1% over 24 hours

WEIGHT
27 lbs (12 kg)

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

SPECIFICATIONS:
ORDERING INFORMATION:

<table>
<thead>
<tr>
<th>LD2000</th>
<th>-X</th>
<th>-XXX</th>
<th>-X</th>
<th>-XXX</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ar: Argon</td>
<td>Operating Voltage: 120: 120 volts</td>
<td>A: Alarm option</td>
<td>Serial communication</td>
</tr>
<tr>
<td></td>
<td>O: Oxygen</td>
<td></td>
<td>RS4: RS-485</td>
<td>PFB: Profibus</td>
</tr>
<tr>
<td></td>
<td>N: Nitrogen</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A: Air</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DIMENSIONS:

- **TOP VIEW**: 446 mm [17.56 in]
- **FRONT VIEW**: 482 mm [18.98 in]
- **SIDE VIEW**: 132.5 mm [5.22 in]
- **CUT OUT DIMENSIONS FOR RACK MOUNTING**: 136.5 mm [5.37 in]