



Features:

- Based on the proven LI-7500
- High speed in-cell temperature and pressure measurements
- Low power requirements:
- 12 W normal , <30 W nominal with the 7200-101 Flow Module
- High precision:
- 0.16 ppm CO₂; 0.0067 ppt H₂O typical RMS noise in ambient conditions @ 20 Hz
- Continuous measurements through rain, snow and fog
- Minimal tubing attenuation of CO₂ and H₂O 90-95% temperature attenuation



The **LI-7200** includes the LI-7550 Analyzer Interface Unit - a weatherproof enclosure that houses the Digital Signal Processing (DSP) electronics. Ethernet and Serial data are output at selectable speeds of up to 20 Hz, and linearized user-configurable Digital-to-Analog Converters (DACs) output analog signals at up to 20 Hz bandwidth .

Specification

Model	CO ₂	H ₂ O
Calibration range	0-3000 ppm	0-60 ppt
Accuracy	1 % of reading nominal	Within 2% of reading nominal
Zero drift (per °C)	±0.1 ppm typical ±0.3 ppm max.	
RMS noise (typical @370 ppm CO ₂ And 10 mmol mol ⁻¹ H ₂ O)	5Hz 10 Hz 20 Hz	0.0034 ppt 0.0047 ppt 0.0067 ppt
Gain drift (% of reading per °C)	±0.02% typical ±0.1% max. @ 370 ppm	±0.15% typical ±0.30% max. @ 20 ppt
Direct sensitivity to H ₂ O (mol CO ₂ /mol H ₂ O)	±2.00E-05 typical ±4.00E-05 max.	-- --
Direct sensitivity to CO ₂ (mol H ₂ O/mol CO ₂)	-- --	±0.02 typical ±0.05 max.