

PŮDA

LI - 7820 Přenosný analyzátor plynů

Základní vlastnosti

- Přenosný analyzátor plynů N_2O a H_2O
- Rozsah měření N_2O : 0-100 ppm
- Rychlá odezva (≤ 2 s, 0-330 ppb)
- Nízká spotřeba (typicky 22 W)
- Hmotnost přístroje včetně baterií 10,5 kg
- Kompaktní a robustní voděodolné pouzdro
- Provozní teplota: 25 °C - 45 °C
- Kompatibilní s dalšími analyzátory výrobce - LI-870A, LI-7810, LI-8250



LI-COR®



Ekotechnika s.r.o.

K Třešňovce 700, 252 29 Karlík u Prahy, Česká republika
+ 420 251 640 511 / info@ekotechnika.cz

www.ekotechnika.cz

Technická specifikace

General

Measurement Technique: OF-CEAS (Optical Feedback-Cavity Enhanced Absorption Spectroscopy)

Measurement Rate: 1 sample per second (1 Hz)

Optical Cavity Volume: 6.41 cm³

Flow Rate: 250 sccm (nominally)

Total Weight: 10.5 kg (including batteries)

Case Dimensions: 51 cm L x 33 cm W x 18 cm H

Operating Temperature Range: -25 °C to 45 °C (without solar load, under normal operating conditions)

Operating Humidity Range: 0 to 85% RH (non-condensing, without solar load, under normal operating conditions)

Sample Line Humidity Range: 0 to 99.9% non-condensing

Operating Pressure Range: 70 to 110 kPa

Connectivity: Ethernet, Wi-Fi (not available in some countries)

Wi-Fi Compatibility: 2.4 GHz, 802.11 a/b/g/n/ac

Power Consumption:

Steady State Operation: 22 W at 25 °C

Warmup (10.5 to 33 VDC power supply, pins 3 and 4): Up to 100 W with batteries charging

Warmup (Universal power supply or 24 VDC power supply, pins 1 and 5): Up to 140 W with batteries charging

DC Power Source: 1.3 to 2.3 W (instrument powered off with batteries not charging)

Power Supply: Universal Power Adapter (Input: 100 to 240 VAC, 50-60 Hz; Output: 24 VDC)

Battery Life: 8 hours typical with 2 batteries

N₂O Measurements

Measurement Range: 0 to 100 ppm

Response Time (T₁₀-T₉₀): N₂O ≤ 2 seconds, 0 to 330 ppb

Precision (1σ):

0.40 ppb at 330 ppb with 1 second averaging

0.20 ppb at 330 ppb with 5 second averaging

H₂O Measurements

Range: 100 to 60,000 ppm

Precision (1σ):

45 ppm at 10,000 ppm with 1 second averaging

20 ppm at 10,000 ppm with 5 second averaging