

CERTIFICATE of CALIBRATION

for LI-COR SENSOR

Spherical Quantum Sensor
Model Number: LI-193

Serial Number: SPQA3291

Calibration Date: May 12, 2021
Manufacture Date: December 05, 2002

Calibration Constants:

Output (in-air): 6.75 microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$
Output (in-water): 4.17 microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$

For use with LI-COR handheld meters and loggers:

Multiplier (in-air): -148.2 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per microamp
Multiplier (in-water): -240.09 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per microamp

For use with LI-COR 2291 (1210 ohm) Millivolt Adapter:

Multiplier (in-air): -122.48 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per millivolt
Multiplier (in-water): -198.42 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per millivolt

IMPORTANT: Read the appropriate instruction manual (www.licor.com/USM) before using this sensor.

IMPORTANT: It is recommended that sensors be recalibrated every two years after field deployment.

Calibration Technician: John Brooks

Calibration standard used: Working standard lamp 811F.

Calibration traceable to the National Institute of Standards and Technologies (NIST) through NIST-calibration lamp number F-226.
(NBS Test No. 534/237689-86)



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