

CERTIFICATE of CALIBRATION for LI-COR SENSOR

Spherical Quantum Sensor
Model Number: LI-193

Serial Number: **SPQA3290**

Calibration Date: **July 7, 2022**
Manufacture Date: **December 5, 2002**

Calibration Constant(s):

Output (in air): 6.77 microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$

Output (in water): 4.18 microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$

For use with LI-COR handheld meters and loggers:

Multiplier (in air): -147.72 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per microamp

Multiplier (in water): -239.31 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per microamp

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

Multiplier (in air): -122.09 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per millivolt

Multiplier (in water): -197.78 $\mu\text{mol s}^{-1} \text{m}^{-2}$ per millivolt

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

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

Calibration Technician: Linh Nguyen

Calibration standard used: Working standard lamp 1730B

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

LI-COR[®]

LI-COR Biosciences, Global Headquarters • 4647 Superior Street • Lincoln, NE 68504 USA
Phone: +1-402-467-3576 • Fax: +1-402-467-2819 • Toll-free: 800-447-3576 (USA & Canada)
envsales@licor.com • envsupport@licor.com • www.licor.com
Manual: www.licor.com/Quantum-manual