CERTIFICATE of CALIBRATION for LI-COR SENSOR

Spherical Quantum Sensor Model Number: LI-193

Serial Number: SPQA3291 Calibration Date: May 01, 2019
Manufacture Date: December 05, 2002

Calibration Constants:

Output (in-air): 6.8 microamps per 1000 μmol s⁻¹ m⁻²
Output (in-water): 4.2 microamps per 1000 μmol s⁻¹ m⁻²

For use with LI-COR handheld meters and loggers:

Multiplier (in-air): -146.96 μmol s⁻¹ m⁻² per microamp Multiplier (in-water): -238.07 μmol s⁻¹ m⁻² per microamp

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

Multiplier (in-air): -121.45 μmol s⁻¹ m⁻² per millivolt Multiplier (in-water): -196.75 μmol s⁻¹ 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: Aaron Deschane

Calibration standard used: Working standard lamp 811E.
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 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/USM