



721 West 1800 North
Logan, UT 84321

Certificate of Calibration LI-COR Quantum Sensor Model LI-190 / LI-190R

Serial Number : Q
Calibration Date : Jul-2017
Recommended Recalibration Date : Jul-2019
Calibration Factor : 196.8 $\mu\text{mol m}^{-2} \text{s}^{-1}$ per mV
Output : #DIV/0! $\mu\text{A per } 1000 \mu\text{mol m}^{-2} \text{s}^{-1}$
Resistance (Measured) : Ω

Calibration Procedure

Calibration is performed with a LI-COR model 1800-02 Optical Radiation Calibrator using a 200 Watt quartz halogen lamp. Calibration accuracy is $\pm 4.0\%$ from 350 to 1000 nm. The 1800-02 and quartz halogen lamp are traceable to the National Institute of Standards and Technology (NIST).

Traceability

Instrument (Serial #)	ISO Classification	Calibration Date	Calibration Due Date
LI-1800-02 (ORC-394)	Optical Radiation Calibrator	N/A	N/A
LI-1800-02L (ORL-1309)	Irradiance Lamp	18-Aug-2014	Replace after 50 hours

Technical Manager :

Jacob Bingham

Date : 25-Jul-2017

Please keep this document for your records