

CERTIFICATE of CALIBRATION LI-COR UNDERWATER QUANTUM SENSOR

Model Number: LI-192SB

Serial Number: **UW03583** Calibration Date: **September 30, 1987**

Output (air): **4.51** microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$
 Output (water): **3.77** microamps per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$
 *Output (air): **2.60** millivolts per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$ when using millivolt adapter.
 *Output (water): **1.97** millivolts per 1000 $\mu\text{mol s}^{-1} \text{m}^{-2}$ when using millivolt adapter.
 Immersion effect: **1.32**

The above sensor is supplied with a calibrated connector (calconnector) that has resistance values unique to that sensor. For that reason, the calconnector has a serial number that matches the serial number on the sensor. **ALWAYS MAKE SURE THAT THE SENSOR IS USED WITH THE CALCONNECTOR THAT HAS THE SAME SERIAL NUMBER.** This feature allows the above sensor to be used with a LI-COR LI-185B or LI-188B without the need for correction factors or recalibration of the readout instrument in order to obtain a direct readout.

LI-COR underwater sensors have an additional calconnector resistance which takes into account the immersion effect. For direct readout, use the "SENSOR (in water)" position of the LI-185B and LI-188B function switch when such sensors are used in water. When using the LI-1776, all in water readings should be multiplied by the immersion effect correction factor. Use the "SENSOR (in air)" switch position when such sensors are used in air.

* Each LI-COR sensor is provided with a millivolt adapter. There is also a millivolt output resistor in the calconnector that is sensed when the millivolt adapter is connected to the calconnector to allow for direct millivolt output.

IMPORTANT: Read the appropriate instruction manual before using this sensor.

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

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LI-COR

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