



SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2017

OPHIR-SPIRICON LLC  
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CALIBRATION

Valid To: March 31, 2021

Certificate Number: 4261.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1,4</sup>:

I. Optical Quantities

Parameter/Equipment	Range	CMC <sup>2,3</sup> (±)	Comments
Thermal Laser Power Measurement – Wavelength (193 to 10 600) nm	10 µW to 30 kW	2.5 %	OSI silver master sensor
Photodiode Laser Power Measurement – Wavelength (220 to 1700) nm (190 to 219), (1701 to 1820) nm	3 nW to 3 W 3 nW to 3 W	2.6 % 4.2 %	OSI silver master sensor
Pyroelectric Laser Energy Measurement – Wavelength (193 to 2940) nm	0.5 µJ to 100 mJ	2.3 %	OSI silver master sensor

Parameter/Equipment	Range	CMC <sup>2,3</sup> (±)	Comments
Electrical Calibration of Laser Power Meters			OSI silver master C-BOX
DC Current Accuracy	1.25 nA to 12.5 mA	0.64 %	
DC Voltage Accuracy & Analogue Output Accuracy	1.25 mV to 65 V	0.18 %	

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> In the statement of CMC, percentages are percentages of reading, unless otherwise indicated.

<sup>4</sup> This scope meets A2LA's *P112 Flexible Scope Policy*.

