SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2017

NEWPORT CORPORATION OPHIR USA
3050 N 300 W
North Logan, UT 84341
Paulette Frischknecht Phone: 435 753 3729

CALIBRATION

Valid To: November 30, 2023 Certificate Number: 4261.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the satellite laboratory location listed below to perform the following calibrations[1, 4]:

I. Optical Quantities

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Thermal Laser Power Measurement –			OSI silver master sensor
Wavelength			
(193 to 10 600) nm	10 µW to 30 kW	2.5 %	
Photodiode Laser Power Measurement –			OSI silver master sensor
Wavelength			
(210 to 255) nm	20 pW to 3 W	4.4 %	
(256 to 285) nm		3.0 %	
(286 to 430) nm		2.3 %	
(431 to 1000) nm		2.0 %	
(1001 to 1100) nm		6.0 %	
(1101 to 1820) nm	5 nW to 3 W	4.8 %	
Pyroelectric Laser Energy Measurement –			OSI silver master sensor
Wavelength			
(193 to 2940) nm	0.5 µJ to 100 mJ	2.3 %	

Parameter/Equipment	Range	CMC[2, 3] (±)	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 %	

SATELLITE LABORATORY

OPHIR JAPAN
Towa-Daiichi Building 1F 4-384 Sakuragi-cho
Omiya-ku, Saitama City
Japan 330-0854
Bryan Palmer Phone: 435 753 3729

I. Optical Quantities

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Thermal Laser Power Measurement –			OJ silver master sensor
Wavelength (193 to 10 600) nm	10 µW to 30 kW	2.4 %	
Photodiode Laser Power Measurement –			OJ silver master sensor
Wavelength			
(210 to 255) nm	20 pW to 3 W	4.4 %	
(256 to 285) nm		3.0 %	
(286 to 430) nm		2.3 %	
(431 to 1000) nm		2.0 %	
(1001 to 1100) nm		6.0 %	
(1101 to 1820) nm	5 nW to 3 W	4.8 %	
Pyroelectric Laser Energy Measurement –			OJ silver master sensor
Wavelength (193 to 2940) nm	0.5 µJ to 100 mJ	2.5 %	

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Electrical Calibration of Laser Power Meters			OJ 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 %	

[1] This laboratory offers commercial calibration service at both its main facility and at its Satellite location.

[2] 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.

[3] In the statement of CMC, percentages are percentages of reading, unless otherwise indicated.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

NEWPORT CORPORATION OPHIR USA

North Logan, UT

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 10th day of March 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4261.01
Valid to November 30, 2023
Revised October 31, 2023

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.