



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Coherent, Inc.**

**27650 SW 95<sup>th</sup> Avenue**

**Wilsonville, OR 97070**

**(with satellite locations and capabilities identified on the scope of accreditation)**

Fulfills the requirements of

**ISO/IEC 17025:2017**

and

**ANSI/NCSL Z540-1-1994 (R2002)**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 15 May 2026

Certificate Number: AC-1630



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017  
AND  
ANSI/NCSL Z540-1-1994 (R2002)**

**Coherent, Inc.**  
27650 SW 95<sup>th</sup> Avenue  
Wilsonville, OR 97070  
Philip Taylor 800-343-4912  
Philip.Taylor@coherent.com

**CALIBRATION**

Valid to: **May 15, 2026**

Certificate Number: **AC-1630**

**Photometry and Radiometry**

<b>Parameter / Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method and/or Equipment</b>
Electrical Calibration of Laser Power Thermal Meters	100 $\mu$ W to 5 000 W 1.831 $\mu$ V to 2 V	0.8 % of reading	ARB, DMM, Attenuator
Electrical Calibration of Laser Power Optical Meters	10 nW to 30 mW 51 nA to 19.1 mA	0.8 % of reading	Current Source
Electrical Calibration of Laser Energy Meters	100 nJ to 3 J 40 $\mu$ V to 5 V	0.8 % of reading	ARB, Attenuator
Laser Power Measuring Sensors at 514 nm	(0.18 to 1.2) W (0.000 2 to 7) V/W	1 % of reading 1 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring kW Sensors at 1070 (+/-10) nm	(360 to 440) W (0.000 004 5 to 0.000 4) V/W	2.5 % of reading 2.5 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring kW Sensors at 10 600 nm	200 W to 1.1 kW (0.000 06 to 0.000 4) V/W	3.7 % of reading 3.7 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Energy Measuring Sensors at 193 nm	3 $\mu$ J to 2 mJ (24 to 80) V/J	2 % of reading 2 % of reading	Coherent Working Standard Sensor, Oscilloscope, Coherent Energy Meter
Energy Measuring Sensors at 248 nm	60 $\mu$ J to 7 mJ (6 to 32) V/J	2.1 % of reading 2.1 % of reading	
Energy Measuring Sensors at 1 064 nm	10 $\mu$ J to 160 mJ (2 to 21 700) V/J	2 % of reading 2 % of reading	



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**Photometry and Radiometry**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Laser Power Measuring Sensors at 810 (+/- 10) nm	(70 to 80) W (0.08 to 13) mV/W	1.7 % of reading	Coherent Working Standard Sensor, Coherent Power Meter
Laser Power Measuring Sensors at 10 600 nm	(0.5 to 150) W (0.001 4 to 0.226) V/W	2 % of reading 2 % of reading	Coherent Working Standard Sensor, Coherent Power Meter
Laser Power Measuring kW Sensors at 1070 (+/-10) nm	(250 to 2500) W (0.000 004 5 to 0.000 4) V/W	2.5 % of reading 2.5 % of reading	
Laser Power Measuring Sensors from 250 nm to 400 nm (UV-Range)	200 nW to 20 μW (0.05 to 0.2) A/W	3 % of reading 3 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring Sensors from 400 nm to 450 nm (VIS-Range)	3 μW to 20 μW (0.01 to 0.1) A/W	10 % of reading 10 % of reading	
Laser Power Measuring Sensors from 450 nm to 1100 nm (VIS-Range)	3 μW to 100 μW (0.01 to 1) A/W	4.8 % of reading 4.8 % of reading	
Laser Power Measuring Sensors from 800 nm to 1 700 nm (IR-Range)	300 nW to 60 μW (0.1 to 1.2) A/W	4 % of reading 4 % of reading	
Laser Power Measuring Sensors from 1 700 nm to 1 800 nm (IR-Range)	200 nW to 1 μW (0.08 to 1) A/W	8 % of reading 8 % of reading	



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**Services performed at satellite laboratory:  
Coherent (Deutschland) GmbH**

Dieselstrasse 5B  
Dieburg, Germany D-64807  
Philip Taylor 800-343-4912  
Philip.Taylor@coherent.com

**Photometry and Radiometry**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Calibration of Laser Power Thermal Meters	100 $\mu$ W to 5 000 W 1.831 $\mu$ V to 2 V	0.8 % of reading	ARB, DMM, Attenuator
Electrical Calibration of Laser Power Optical Meters	10 nW to 30 mW 51 nA to 19.1 mA	0.8 % of reading	Current Source
Electrical Calibration of Laser Energy Meters	100 nJ to 3 J 40 $\mu$ V to 5 V	0.8 % of reading	ARB, Attenuator
Laser Power Measuring Sensors at 514 nm	(0.18 to 1.2) W (0.000 2 to 7) V/W	1 % of reading 1 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring Sensors at 10 600 nm	(0.5 to 150) W (0.001 4 to 0.226) V/W	2 % of reading 2 % of reading	Coherent Working Standard Sensor, Coherent Power Meter
Energy Measuring Sensors at 193 nm	3 $\mu$ J to 2 mJ (24 to 80) V/J	2 % of reading 2 % of reading	Coherent Working Standard Sensor, Oscilloscope, Coherent Energy Meter
Energy Measuring Sensors at 1 064 nm	10 $\mu$ J to 160 mJ (2 to 21 700) V/J	2 % of reading 2 % of reading	
Laser Power Measuring Sensors from 250 nm to 400 nm (UV- Range)	200 nW to 20 $\mu$ W (0.05 to 0.2) A/W	3 % of reading 3 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring Sensors from 400 nm to 450 nm (VIS- Range)	3 $\mu$ W to 20 $\mu$ W (0.01 to 0.1) A/W	10 % of reading 10 % of reading	
Laser Power Measuring Sensors from 450 nm to 1 100 nm (VIS- Range)	3 $\mu$ W to 100 $\mu$ W (0.01 to 1) A/W	4.8 % of reading 4.8 % of reading	
Laser Power Measuring Sensors from 800 nm to 1 700 nm (IR- Range)	300 nW to 60 $\mu$ W (0.1 to 1.2) A/W	4 % of reading 4 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter

**Photometry and Radiometry**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Laser Power Measuring Sensors from 1 700 nm to 1 800 nm (IR- Range)	200 nW to 1 $\mu$ W (0.08 to 1) A/W	8 % of reading 8 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter

**Services performed at satellite laboratory:**

**Coherent Japan, Inc.**

Business Office: 26F Shinjuku Maynds Tower  
2-1-1 Yoyogi, Shibuya-ku Tokyo, Japan 151-0053  
Service Location: Atsugi Tech Center  
1042-4 Toda, Atsugi-shi, Kanagawa, Japan 243-0023  
Philip.Taylor@coherent.com

**Photometry and Radiometry**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Calibration of Laser Power Thermal Meters	100 $\mu$ W to 5 000 W 1.831 $\mu$ V to 2 V	0.8 % of reading	ARB, DMM, Attenuator
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Laser Power Measuring Sensors at 10 600 nm	(0.5 to 150) W (0.001 4 to 0.226) V/W	2 % of reading 2 % of reading	Coherent Working Standard Sensor, Coherent Power Meter
Laser Power Measuring Sensors from 250 nm to 400 nm (UV-Range)	200 nW to 20 $\mu$ W (0.05 to 0.2) A/W	3 % of reading 3 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter
Laser Power Measuring Sensors from 400 nm to 450 nm (VIS-Range)	3 $\mu$ W to 20 $\mu$ W (0.01 to 0.1) A/W	10 % of reading 10 % of reading	

**Photometry and Radiometry**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Laser Power Measuring Sensors from 450 nm to 1 100 nm (VIS-Range)	3 $\mu$ W to 100 $\mu$ W (0.01 to 1) A/W	4.8 % of reading 4.8 % of reading	
Laser Power Measuring Sensors from 800 nm to 1 700 nm (IR-Range)	300 nW to 60 $\mu$ W (0.1 to 1.2) A/W	4 % of reading 4 % of reading	
Laser Power Measuring Sensors from 1 700 nm to 1 800 nm (IR-Range)	200 nW to 1 $\mu$ W (0.08 to 1) A/W	8 % of reading 8 % of reading	Coherent Working Standard Sensor, DMM, Coherent Power Meter

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1630.



Jason Stine, Vice President

