



# 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).

Jason Stine, Vice President

Expiry Date: 15 May 2028

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

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Philip.Taylor@coherent.com

**CALIBRATION**

ISO/IEC 17025 Accreditation Granted: **27 March 2026**

Certificate Number: **AC-1630**      Certificate Expiry Date: **15 May 2028**

**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 Meters (Thermal)	100 $\mu$ W to 5 000 W 1.831 $\mu$ V to 2 V	0.8 % of reading	Comparison to DMM, (ARB, Attenuator)
Electrical Calibration of Laser Power Meters (Optical)	10 nW to 30 mW 51 nA to 19.1 mA	0.8 % of reading	Comparison to DMM (Current Source)
Electrical Calibration of Laser Energy Meters (Pyro)	100 nJ to 3 J 40 $\mu$ V to 5 V	0.8 % of reading	Comparison to DMM (ARB, Attenuator)
Laser Power Measuring Sensors at 810 (+/- 10) nm	(70 to 80) W (0.08 to 13) mV/W	1.7 % of reading	Substitution to 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	Comparison to Coherent Working Standard Sensor, 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	Comparison to Coherent Working Standard Sensor, Coherent Power Meter, DMM

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Laser Power Measuring kW Sensors at 1080 nm	(250 to 12 000) W (0.000 004 5 to 0.000 4) V/W	2.5 % of reading 2.5 % of reading	Comparison to Coherent Working Standard Sensor, 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	Comparison to Coherent Working Standard Sensor, Coherent Power Meter, DMM
Energy Measuring Sensors at 193 nm	3 $\mu$ J to 2 mJ (24 to 80) V/J	2 % of reading 2 % of reading	Substitution to Coherent Working Standard Sensor, Coherent Energy Meter, Oscilloscope
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	
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
Laser Power Measuring Sensors from 450 nm to 1100 nm (VIS-Range)	3 $\mu$ W to 100 $\mu$ W (0.01 to 1) A/W	4.8 % of reading 4.8 % of reading	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM



ANSI National Accreditation Board

### Services performed at satellite laboratory Coherent, Inc.

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#### Photometry and Radiometry

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Calibration of Laser Power Meters (Thermal)	100 $\mu$ W to 5 000 W 1.831 $\mu$ V to 2 V	0.8 % of reading	Comparison to DMM, (ARB, Attenuator)
Electrical Calibration of Laser Power Meters (Optical)	10 nW to 30 mW 51 nA to 19.1 mA	0.8 % of reading	Comparison to DMM (Current Source)
Electrical Calibration of Laser Energy Meters (Pyro)	100 nJ to 3 J 40 $\mu$ V to 5 V	0.8 % of reading	Comparison to DMM (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	Comparison to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter
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**Photometry and Radiometry**

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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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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	Substitution to Coherent Working Standard Sensor, Coherent Power Meter, DMM
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**Services performed at satellite laboratory**

**Coherent, 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

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**Photometry and Radiometry**

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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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.



Jason Stine, Vice President