



**COHERENT®**

27650 SW 95th Ave.  
Wilsonville, OR 97070  
Phone (800) 343-4912

Certification Number  
091023125532

# Certificate of Calibration

Power Sensor

Date: **10/23/2009**  
Part Number: **1098478**  
Description: **PM10K**  
Serial Number: **0469E08R**

## Instrument Condition

As Received: **In Tolerance**

As Shipped: **In Tolerance**

Calibration Procedure:	<b>QI-19.115 RevCA</b>	Humidity (%):	<b>45.6</b>
Calibration Wavelength:	<b>1064</b> nm	Temperature (C):	<b>23.1</b>
Voltage Responsivity (raw):	<b>1.389E-05</b> V/W	Uncertainty (+/- %)	<b>5</b>
Voltage Responsivity (trimmed):	<b>4.000E-06</b> V/W		

Standards Used:	Asset #:	Calibration Due:
Coherent PM3K	1069W04	Dec 2009
MOLECTRON PM5200	0122T97	Mar 2010
Agilent 34970A	1348T07	Apr 2010

Comments:

Calibrated By:

  
**J BRUMM**

Test Technician

Calibration Interval Start Date: \_\_\_\_\_ Due Date: \_\_\_\_\_

The calibration interval begins when the equipment is placed into service. The "Due Date" may be established (by the customer) by adding the calibration interval to the "Start Date". Contact Customer Service for recommended calibration intervals for Coherent products.

Coherent hereby certifies that the above equipment meets or exceeds our published specifications for performance and accuracy and has been calibrated using standards whose accuracy is traceable to NIST within the limitations of the Institutes's calibration services, or has been derived from accepted values of natural physical constants, or has been derived by the ratio type of self-calibration techniques.

This certificate complies with the requirements of ISO/IEC 17025:2005.

Calibration Uncertainty refers to the ability of the calibration system to identify the absolute responsivity of the Unit Under Test

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## Test Report; Reference Certificate Number 091023125532

As Received:

Status: In Tolerance

## PM Sensor

Probe S/N 0469E08R

Instrument S/N 0122T97

Probe P/N 1098478

DVM S/N 1348T07

Probe Model PM10K

Working Standard S/N 1069W04

Wavelength Effective Rv (V/W)

248	1.490E-5
266	1.495E-5
514	1.436E-5
1064	1.389E-5
2000	1.385E-5
3500	1.367E-5
10600	1.459E-5

## Results

## Power

Laser: 4.11E+2 W

Measured: 4.08E+2 W

+/- 1%: PASS

Verified By J BRUMM

10/23/09

As Shipped:

Status: In Tolerance

Measurement is within tolerance; Additional adjustment not required.