

CERTIFICATE OF CALIBRATION

Certificate #:	291165-250715	Customer Name:	DEFINITIVE SPECIAL PROJECTS LTD
Model:	PRONTO-Si	V14	
Head Serial Number:	291165	Instrument ID:	
Firmware Version:	1.00.08	Date of Calibration:	July 14, 2025
Cal. Procedure:	420- 190244	Calibration Due Date:	July 14, 2026

Calibration Data

Sensitivity [A/W]										
Calibration without attenuator										
λ [nm]	00	10	20	30	40	50	60	70	80	90
300			0.1791	0.1804	0.1789	0.1745	0.1664	0.1603	0.1665	0.1771
400	0.1878	0.1983	0.2087	0.2191	0.2299	0.2406	0.2513	0.2625	0.2733	0.2848
500	0.2969	0.3091	0.3210	0.3326	0.3443	0.3559	0.3674	0.3789	0.3905	0.4022
600	0.4137	0.4251	0.4363	0.4475	0.4584	0.4690	0.4797	0.4903	0.5006	0.5103
700	0.5201	0.5298	0.5396	0.5489	0.5581	0.5670	0.5766	0.5870	0.5960	0.6038
800	0.6105	0.6173	0.6254	0.6335	0.6415	0.6495	0.6578	0.6661	0.6733	0.6804
900	0.6854	0.6925	0.7017	0.7068	0.7119	0.7156	0.7193	0.7142	0.7091	0.6915
1000	0.6652	0.6302	0.5672	0.5042	0.4336	0.3553	0.2770	0.2149	0.1689	0.1336
1100	0.1043									

Calibration with attenuator										
λ [nm]	00	10	20	30	40	50	60	70	80	90
300			0.01854	0.02057	0.02199	0.02415	0.02704	0.02813	0.02817	0.02812
400	0.01485	0.01664	0.01854	0.02057	0.02199	0.02415	0.02704	0.02813	0.02817	0.02812
500	0.02842	0.02921	0.03038	0.03193	0.03418	0.03605	0.03753	0.03709	0.03621	0.03488
600	0.03571	0.03710	0.03906	0.04001	0.04063	0.04094	0.04275	0.04602	0.05075	0.05696
700	0.06316	0.06592	0.06867	0.06876	0.06815	0.06682	0.06528	0.06351	0.06150	0.05928
800	0.05720	0.05512	0.05326	0.05139	0.04969	0.04798	0.04647	0.04496	0.04351	0.04206
900	0.04066	0.03943	0.03838	0.03724	0.03610	0.03506	0.03403	0.03276	0.03150	0.02990
1000	0.02803	0.02589	0.02292	0.01995	0.01687	0.01367	0.01048	0.00799	0.00621	0.00487
1100	0.00379									

Instrument Uncertainty	
without attenuator	with attenuator
320 - 399 nm ± 6.0 %	400 - 899 nm ± 4.0 %
400 - 449 nm ± 2.0 %	900 - 1009 nm ± 5.0 %
450 - 809 nm ± 1.5 %	1010 - 1100 nm ± 7.5 %
810 - 899 nm ± 2.0 %	
900 - 1009 nm ± 4.0 %	
1010 - 1100 nm ± 7.5 %	

Ambient Temp.* : 22 °C
Relative Humidity* : 50 %

Sensitivities under 320 nm are not traceable

Test Equipment and Standards Used

ID#	Description	Serial#	Last Cal.	By	Certificate #
EOC-1018	Varian, CARY 5000, Spectrophotometer	UV0812M344	N/A	N/A	N/A
EOCE-916	Gentec-EO, PH100-SIUV-WL, wattmeter	232413	Dec. 08, 2024	NRC-CNRC	PAR-2024-4060-REV
EOCE-729	Gentec-EO, P-LINK USB, monitor	211671	May 15, 2025	Gentec-EO	211671-250515
EOCE-731	Gentec-EO, P-LINK USB, monitor	213631	May 15, 2025	Gentec-EO	213631-250515

Declaration of Conformity

Gentec Electro-Optics certifies that, at the time of calibration, the above listed instrument meets or exceeds all specifications. It has been calibrated using standards traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST), the National Research Council Canada (NRC) or other National Metrology Institutes. Calibration results relate only to the instrument being calibrated. Calibration activities are compliant to ISO 9001:2015 and ISO/IEC 17025:2017. Total expanded uncertainties are reported with a coverage factor k=2, providing a level of confidence of approximately 95%. Any statement of compliance is made without taking measurement uncertainty into account and is based on the instrument's specifications.

*Measurement not included in the scope of accreditation to ISO/IEC 17025:2017

MT
Signature
NT
Signature

Marco Thiboutot
Calibrate by
Narine Tovmussyan
Quality Assurance

July 15, 2025
Date of Issue
Jul. 16, 2025
Date of Inspection

Variance Report

Date	Last Calibration	As Received	New Calibration
	June 7, 2024	June 4, 2025	July 14, 2025
Change without attenuator (% RMS)	-----	0.9%	-----
Change with attenuator (% RMS)	-----	1.0%	-----

Remark : Detector was repaired.