



Certificate No.: 972193-001
Serial No.: 972193
Model: 2938-R
Part No.: 7Z01706
Description:
Second Channel: Activated

Calibrated at:
Calibration Lab
Ophir Optronics Solutions
10 Hartom Street
Jerusalem, Israel
www.ophiropt.com/photonics
Tel: +972-2-548-7407
Email: calibrationlab@ophiropt.com

Measurement Uncertainty

0.2 %

Standards Used for Calibration

Current Source	CBOX2- 804-GM
Next Cal. Date	22-JAN-2023

Calibration Measurements

Channel 1

Range	Test Value	Measured	Deviation	Tolerance	Pass/Fail
High Analog Range	403.547 uA	403.599 uA	0.013 %	± 0.25 %	PASS
Upper Mid-Range	13.8386 uA	13.8380 uA	-0.004 %	± 0.25 %	PASS
Mid-Range	243.724 nA	243.669 nA	-0.023 %	± 0.25 %	PASS
Lower Mid-Range **	21.3661 nA	21.3750 nA	0.042 %	± 0.25 %	PASS

Channel 2

Range	Test Value	Measured	Deviation	Tolerance	Pass/Fail
High Analog Range	403.547 uA	403.492 uA	-0.014 %	± 0.25 %	PASS
Upper Mid-Range	13.8386 uA	13.8363 uA	-0.017 %	± 0.25 %	PASS
Mid-Range	243.724 nA	243.682 nA	-0.017 %	± 0.25 %	PASS
Lower Mid-Range **	21.3661 nA	21.3682 nA	0.010 %	± 0.25 %	PASS

Notes: ** Not included in ISIRAC accreditation.

Outgoing Result: **PASS**

Calibration Procedure: QA-103

Performed By: Giora Behar - Q.A. 60

Calibration Date: 11-FEB-2021

Temperature: 23 °C

Recommended Recal. Date: AUG 2022

Humidity: 32 % RH

For data sheets of all standard Ophir products, please go to the relevant product page at: <http://www.ophiropt.com/laser--measurement>

The results reported on this certificate apply only to the item calibrated at the specified calibration points. Conformity to product specification is determined by a binary guard band decision rule for normal distributions as defined by JCGM 106:2012 with at least 97.5 % confidence for measurement results at acceptance limit. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95 %. Permitted range of ambient temperature during calibration: 19 – 28 °C.

For information about uncertainty of measurement, please refer to: <http://www.ophiropt.com/laser--measurement/knowledge-center/article/1110>

Recommended calibration intervals and the resulting due dates are 18 months for new products and 12 months for recalibrated products. The calibration interval can be changed by the customer at their own discretion but Ophir Optronics will not guarantee the calibration after the stated intervals. All standards used are traceable to NIST and/or other national and international standards. The entire traceability chart and certifications are available on request.

The Israel Laboratory accreditation authority (ISIRAC) is one of the signatories of the International Accreditation Cooperation (ILAC) arrangement for the mutual recognition of testing results. The use of ISIRAC symbol relates to tests/calibrations which are included in the organization scope of accreditation, and performed according to the accreditation rules as detailed in the accreditation certificate. ISIRAC is not responsible for the testing results conducted by the laboratory and the laboratory's accreditation is not considered as an approval of ISIRAC or a different party related to the assessed. This document must be referred to entirely and copying of any part of it to other documents is forbidden.

End of certificate

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