

Certificate of Calibration

Fluke Nederland B.V.

Certificate Number:	SA01185225	Date of Calibration:	13 Jul 2023
Receive Condition:	IN TOLERANCE	Date of Recalibration:	13 Jul 2024
Return Condition:	IN TOLERANCE	Place of Calibration:	Eindhoven
Manufacturer:	FLUKE NETWORKS	Temperature within:	(23.0 ± 3) °C
Model:	CFP-QUAD MOD	Humidity within:	(45 ± 20) %rh
Serial Number:	22110163		
Description:	CERTIFIBER PRO QUAD OLTS REPLACEMENT MODULE 1 UNIT		
Procedure:	Manual Procedure		

Customer:	OMIKRON INFORMATIKA KFT BUDAPEST
Customer Asset ID:	-
RMA Number:	606305946

All measurements are traceable to national and/or international standards or have been derived by approved ratio techniques. When possible standards used for this calibration are ISO/IEC 17025 accredited calibrated.

This calibration is performed by a DEKRA certified lab for ISO 9001. This certificate may not be reproduced other than in full. Calibration certificates without signatures, either electronic or handwritten, are not valid.



Issue Date: 13 Jul 2023

Electronically signed

Authorized By

R. Mehta

Certificate of Calibration

Certificate Number: SA01185225

Remarks

- The calibration status found in this certificate on the top of each results page must be interpreted as:
 - As Found : Data collected before the unit was adjusted and / or repaired
 - As Left : Data collected after the unit has been adjusted and / or repaired
 - Found / Left : Data collected without any adjustment and / or repair performed
- The calibration interval (due date) is the responsibility of the end user.
- According to the European norm 'Operation of electrical installations' NEN-EN 50110-1 release 2013 and the Dutch norm NEN 3140 release 2015 paragraph 5.102.12 through 5.102.16, a safety test is not required. Therefore not performed.
- Temperature conversions (if applicable) are performed according to ISO/IEC 60584:2013 for thermocouples, and ISO/IEC 60751:2022 for resistance temperature devices.

Standards and test-equipment used

Inventory No	Model	Serial No
WP2199	1BBS4-001K-ART	832538
WP2198	6BBS4-001K-ART	832533
WP2193	FPM-8220	82201478
WP2933	FPM-8220	82202109
WP2603	OMM-6810B	68104229

Calibration Data Report

Found - Left

Model **CFP-QUAD**
Serial Number **22110163**

Test date 13-Jul-2023

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Power Meter - 850 Measured in dB

Nominal	RefRdg	UUTRdg	Diff	LinErr	AbsTol	LinTol	Result
-3	-2.945	-2.818	-0.127	0.017	0.25	0.085	Pass
-5	-4.948	-4.823	-0.125	0.019	0.25	0.085	Pass
-10	-9.938	-9.793	-0.145	0	0.2	0.085	Pass
-15	-14.926	-14.806	-0.12	0.024	0.25	0.085	Pass
-20	-19.928	-19.806	-0.122	0.022	0.25	0.085	Pass
-25	-24.931	-24.802	-0.129	0.015	0.25	0.085	Pass
-30	-29.917	-29.79	-0.127	0.017	0.25	0.085	Pass
-35	-34.902	-34.771	-0.131	0.014	0.25	0.085	Pass
-40	-39.912	-39.779	-0.133	0.011	0.25	0.085	Pass
-45	-44.888	-44.75	-0.138	0.006	0.25	0.085	Pass
-50	-49.937	-49.802	-0.135	0.01	0.25	0.085	Pass
-55	-54.907	-54.782	-0.125	0.02	0.25	0.085	Pass
-56	-55.907	-55.779	-0.128	0.016	0.3	0.15	Pass

Power Meter - 1310 Measured in dB

Nominal	RefRdg	UUTRdg	Diff	LinErr	AbsTol	LinTol	Result
-3	-3.06	-3.104	0.044	0.073	0.25	0.085	Pass
-5	-5.162	-5.099	-0.063	-0.034	0.25	0.085	Pass
-10	-10.102	-10.073	-0.029	0	0.2	0.085	Pass
-15	-15.079	-15.061	-0.018	0.011	0.25	0.085	Pass
-20	-20.078	-20.063	-0.015	0.014	0.25	0.085	Pass
-25	-25.078	-25.065	-0.013	0.016	0.25	0.085	Pass
-30	-30.074	-30.06	-0.014	0.015	0.25	0.085	Pass
-35	-35.08	-35.063	-0.017	0.012	0.25	0.085	Pass
-40	-40.078	-40.061	-0.017	0.012	0.25	0.085	Pass
-45	-45.074	-45.061	-0.013	0.016	0.25	0.085	Pass
-50	-50.071	-50.058	-0.013	0.016	0.25	0.085	Pass
-55	-55.076	-55.059	-0.017	0.012	0.25	0.085	Pass
-56	-56.075	-56.062	-0.013	0.016	0.3	0.15	Pass

Loss Length - 1300 Measured in meters

Expected	Measured	Lower Limit	Upper Limit	Result
1002.20	1004.27	993.00	1011.40	Pass

Loss Length - 1550 Measured in meters

Expected	Measured	Lower Limit	Upper Limit	Result
1004.70	1004.46	995.50	1013.90	Pass

VFL Output Level Measured in watts

Measured	Lower Limit	Upper Limit	Result
0.0007836	0.0006	0.0009	Pass