

Certificate of Calibration

Fluke Nederland B.V.

Certificate Number:	SA01304192	Date of Calibration:	11 Jul 2024
Receive Condition:	IN TOLERANCE	Date of Recalibration:	11 Jul 2025
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:	22110162		
Description:	CERTIFIBER PRO QUAD OLTS REPLACEMENT MODULE 1 UNIT		
Procedure:	Manual Procedure		

Customer: OMIKRON INFORMATIKA KFT.
BUDAPEST

Customer Asset ID: -

RMA Number: 606330882

All measurements are traceable to national and/or international standards or have been derived by approved ratio techniques.

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: 11 Jul 2024

Electronically signed

Authorized By

D.B.J. Smits

Certificate of Calibration

Certificate Number: SA01304192

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
WP2195	FMH-8705	87051308
WP2193	FPM-8220	82201478
WP2197	FTE-2106	FTE2106-017

Calibration Data Report

Found - Left

Model **CFP-QUAD**
Serial Number **22110162**

Test date **11-Jul-2024**

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Power Meter - 850 Measured in dB

Nominal	RefRdg	UUTRdg	Diff	LinErr	AbsTol	LinTol	Result
-3	-3.017	-3.061	0.044	-0.011	0.2	0.085	Pass
-5	-5.007	-5.063	0.056	0.001	0.2	0.085	Pass
-10	-10.007	-10.062	0.055	0	0.2	0.085	Pass
-15	-14.999	-15.066	0.067	0.012	0.2	0.085	Pass
-20	-20.015	-20.087	0.072	0.017	0.2	0.085	Pass
-25	-25.004	-25.086	0.082	0.027	0.2	0.085	Pass
-30	-30.004	-30.093	0.089	0.034	0.2	0.085	Pass
-35	-35.007	-35.105	0.098	0.044	0.2	0.085	Pass
-40	-39.992	-40.095	0.103	0.048	0.2	0.085	Pass
-45	-44.991	-45.094	0.103	0.049	0.2	0.085	Pass
-50	-49.995	-50.097	0.102	0.047	0.2	0.085	Pass
-55	-55.001	-55.101	0.1	0.046	0.25	0.085	Pass
-56	-56.021	-56.11	0.089	0.035	0.25	0.085	Pass

Power Meter - 1310 Measured in dB

Nominal	RefRdg	UUTRdg	Diff	LinErr	AbsTol	LinTol	Result
-3	-2.781	-2.757	-0.024	-0.022	0.2	0.085	Pass
-5	-4.827	-4.811	-0.016	-0.014	0.2	0.085	Pass
-10	-9.882	-9.88	-0.002	0	0.2	0.085	Pass
-15	-14.898	-14.9	0.002	0.004	0.2	0.085	Pass
-20	-19.902	-19.904	0.002	0.004	0.2	0.085	Pass
-25	-24.903	-24.905	0.002	0.004	0.2	0.085	Pass
-30	-29.903	-29.907	0.004	0.006	0.2	0.085	Pass
-35	-34.901	-34.902	0.001	0.003	0.2	0.085	Pass
-40	-39.902	-39.905	0.003	0.005	0.2	0.085	Pass
-45	-44.906	-44.908	0.002	0.004	0.2	0.085	Pass
-50	-49.906	-49.908	0.002	0.004	0.2	0.085	Pass
-55	-54.897	-54.898	0.001	0.003	0.25	0.085	Pass
-58	-57.9	-57.901	0.001	0.003	0.3	0.15	Pass

Loss Length - 1300 Measured in meters

Expected	Measured	Lower Limit	Upper Limit	Result
1002.20	1002.92	993.00	1011.40	Pass

Loss Length - 1550 Measured in meters

Expected	Measured	Lower Limit	Upper Limit	Result
1004.70	1004.01	995.50	1013.90	Pass

VFL Output Level Measured in watts

Measured	Lower Limit	Upper Limit	Result
0.0007935	0.0006	0.0009	Pass