

Certificate of Calibration

No 21061134859

X New Unit
Returned Unit

Result as left: PASS

Manufacturer Thorlabs GmbH
Model Number S122C
Serial Number 210302116
Date of Calibration 2-Mar-2021

Calibration Standards

NO	SCAN	MANUFACTURER	MODEL	SERIAL NO	CERTIFICATION	LAST CAL
1	CAL1	Hamamatsu	S2281	THO505	73326 20 PTB	18-Sep-2020
2	CAL2	Thorlabs	GM10HS	THO508	73324 19 PTB	3-Apr-2019
3	CAL4	Thorlabs	S148C	15050530	NIST 685/0-79-19/1	31-May-2019
4	CAL4	Thorlabs	S180C	190605400	NIST 685/0-79-19/2	17-Jun-2019

Thorlabs GmbH does hereby certify that the above mentioned equipment has been calibrated in accordance with our quality management system.

Our Quality Management System is certified according to DIN EN ISO 9001.

The measurement equipment used for calibration is traceable to national standards of the 'EUROMET' members (NPL, PTB, BNM etc.), the US 'NIST' or other national metrological institutions.

Measurements which cannot be traced to national standards can be traced to natural constants, other accepted standards or relational measurements.

Additional documentation concerning traceability of the measurement equipment is available and can be examined upon request.

The certificate of calibration may only be forwarded in complete form without any changes.

The recommended calibration interval is 12 months. The calibration period of this instrument / system begins on the date of receipt by the customer.

Calibrated by A. R.

Axel Breitbart
Thorlabs GmbH

Date Received _____

Calibrated Due _____

Test Report - as left

Model S122C
 Serial No 210302116
 Scan CAL2

Temperature 28,4°C
 Humidity 33%

Test Date 2-Mar-2021
 Tester Axel Breitbart
 Result PASS

λ [nm]	η [A/W]	λ [nm]	η [A/W]	λ [nm]	η [A/W]	λ [nm]	η [A/W]	λ [nm]	η [A/W]	λ [nm]	η [A/W]
700	4,69E-04	885	3,37E-03	1070	6,42E-03	1255	1,92E-02	1440	6,63E-02	1625	6,93E-02
705	5,48E-04	890	3,43E-03	1075	6,56E-03	1260	1,99E-02	1445	6,80E-02	1630	6,75E-02
710	6,25E-04	895	3,50E-03	1080	6,70E-03	1265	2,07E-02	1450	6,98E-02	1635	6,57E-02
715	6,99E-04	900	3,56E-03	1085	6,86E-03	1270	2,14E-02	1455	7,15E-02	1640	6,40E-02
720	7,72E-04	905	3,62E-03	1090	7,01E-03	1275	2,23E-02	1460	7,32E-02	1645	6,24E-02
725	8,47E-04	910	3,68E-03	1095	7,18E-03	1280	2,31E-02	1465	7,50E-02	1650	6,09E-02
730	9,22E-04	915	3,75E-03	1100	7,35E-03	1285	2,40E-02	1470	7,67E-02	1655	5,93E-02
735	9,99E-04	920	3,81E-03	1105	7,54E-03	1290	2,49E-02	1475	7,84E-02	1660	5,78E-02
740	1,08E-03	925	3,87E-03	1110	7,73E-03	1295	2,59E-02	1480	8,01E-02	1665	5,63E-02
745	1,15E-03	930	3,93E-03	1115	7,93E-03	1300	2,68E-02	1485	8,18E-02	1670	5,49E-02
750	1,23E-03	935	3,99E-03	1120	8,14E-03	1305	2,79E-02	1490	8,35E-02	1675	5,34E-02
755	1,31E-03	940	4,06E-03	1125	8,36E-03	1310	2,89E-02	1495	8,52E-02	1680	5,20E-02
760	1,40E-03	945	4,12E-03	1130	8,59E-03	1315	3,00E-02	1500	8,68E-02	1685	5,07E-02
765	1,48E-03	950	4,18E-03	1135	8,82E-03	1320	3,12E-02	1505	8,84E-02	1690	4,93E-02
770	1,56E-03	955	4,24E-03	1140	9,07E-03	1325	3,23E-02	1510	9,00E-02	1695	4,79E-02
775	1,65E-03	960	4,31E-03	1145	9,34E-03	1330	3,35E-02	1515	9,15E-02	1700	4,66E-02
780	1,73E-03	965	4,38E-03	1150	9,61E-03	1335	3,47E-02	1520	9,30E-02	1705	4,53E-02
785	1,82E-03	970	4,45E-03	1155	9,90E-03	1340	3,59E-02	1525	9,45E-02	1710	4,40E-02
790	1,90E-03	975	4,52E-03	1160	1,02E-02	1345	3,72E-02	1530	9,60E-02	1715	4,26E-02
795	1,99E-03	980	4,59E-03	1165	1,05E-02	1350	3,85E-02	1535	9,73E-02	1720	4,13E-02
800	2,07E-03	985	4,67E-03	1170	1,08E-02	1355	3,98E-02	1540	9,85E-02	1725	4,00E-02
805	2,16E-03	990	4,75E-03	1175	1,12E-02	1360	4,12E-02	1545	9,96E-02	1730	3,87E-02
810	2,24E-03	995	4,83E-03	1180	1,15E-02	1365	4,26E-02	1550	1,00E-01	1735	3,74E-02
815	2,33E-03	1000	4,91E-03	1185	1,19E-02	1370	4,40E-02	1555	1,01E-01	1740	3,61E-02
820	2,41E-03	1005	4,99E-03	1190	1,23E-02	1375	4,55E-02	1560	1,01E-01	1745	3,47E-02
825	2,49E-03	1010	5,08E-03	1195	1,27E-02	1380	4,70E-02	1565	1,00E-01	1750	3,34E-02
830	2,57E-03	1015	5,17E-03	1200	1,31E-02	1385	4,85E-02	1570	9,89E-02	1755	3,20E-02
835	2,65E-03	1020	5,26E-03	1205	1,35E-02	1390	5,00E-02	1575	9,69E-02	1760	3,07E-02
840	2,73E-03	1025	5,35E-03	1210	1,40E-02	1395	5,15E-02	1580	9,43E-02	1765	2,93E-02
845	2,80E-03	1030	5,46E-03	1215	1,45E-02	1400	5,30E-02	1585	9,13E-02	1770	2,79E-02
850	2,87E-03	1035	5,56E-03	1220	1,50E-02	1405	5,45E-02	1590	8,80E-02	1775	2,65E-02
855	2,95E-03	1040	5,67E-03	1225	1,55E-02	1410	5,61E-02	1595	8,47E-02	1780	2,50E-02
860	3,02E-03	1045	5,78E-03	1230	1,60E-02	1415	5,77E-02	1600	8,15E-02	1785	2,36E-02
865	3,10E-03	1050	5,90E-03	1235	1,66E-02	1420	5,93E-02	1605	7,86E-02	1790	2,21E-02
870	3,17E-03	1055	6,02E-03	1240	1,72E-02	1425	6,10E-02	1610	7,59E-02	1795	2,07E-02
875	3,24E-03	1060	6,15E-03	1245	1,78E-02	1430	6,27E-02	1615	7,35E-02	1800	1,93E-02
880	3,30E-03	1065	6,28E-03	1250	1,85E-02	1435	6,45E-02	1620	7,13E-02		

