THORLABS

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Certificate of Calibration

No	19270094207

X New Unit
Returned Unit

Result as left: **PASS**

Manufacturer   Thorlabs GmbH

Model Number   PM16-120

Serial Number   190927109

Date of Calibration   27-Sep-2019

Calibration Standards

NO	MANUFACTURER	MODEL	SERIAL NO	CERTIFICATION	LAST CAL
1	Thorlabs	GM10HS	THO508	73324 19 PTB	3-Apr-2019
2	Hamamatsu	S2281	THO505	73330 19 PTB	16-May-2019
3	Thorlabs	S148C	15050530	NIST 685/0-79-19/1	31-May-2019
4	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.
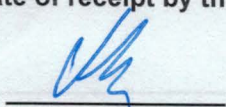Measurements which cannot be traced to national standards can be traced to natural constants, other accepted standards or relational measurements.

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 _____   Mark Csonka
                                      Thorlabs GmbH

Date Received _____

Calibrated Due _____

Form 1005-01 Rev D

Test Report - as left

Model PM16-120
Serial No 190927109
Scan CAL1

Temperature 24,5°C
Humidity 47%

Test Date 27-Sep-2019
Tester Mark Csonka
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]
400	2,23E-02	585	3,21E-02	770	3,87E-02	955	4,76E-02				
405	2,28E-02	590	3,23E-02	775	3,90E-02	960	4,76E-02				
410	2,33E-02	595	3,24E-02	780	3,93E-02	965	4,76E-02				
415	2,38E-02	600	3,26E-02	785	3,95E-02	970	4,75E-02				
420	2,42E-02	605	3,27E-02	790	3,98E-02	975	4,74E-02				
425	2,47E-02	610	3,29E-02	795	4,00E-02	980	4,71E-02				
430	2,51E-02	615	3,30E-02	800	4,02E-02	985	4,67E-02				
435	2,54E-02	620	3,32E-02	805	4,05E-02	990	4,62E-02				
440	2,57E-02	625	3,33E-02	810	4,07E-02	995	4,55E-02				
445	2,60E-02	630	3,35E-02	815	4,10E-02	1000	4,47E-02				
450	2,64E-02	635	3,36E-02	820	4,13E-02	1005	4,37E-02				
455	2,67E-02	640	3,37E-02	825	4,15E-02	1010	4,25E-02				
460	2,70E-02	645	3,39E-02	830	4,18E-02	1015	4,11E-02				
465	2,72E-02	650	3,40E-02	835	4,20E-02	1020	3,95E-02				
470	2,75E-02	655	3,42E-02	840	4,23E-02	1025	3,76E-02				
475	2,77E-02	660	3,43E-02	845	4,26E-02	1030	3,56E-02				
480	2,79E-02	665	3,45E-02	850	4,28E-02	1035	3,33E-02				
485	2,82E-02	670	3,46E-02	855	4,31E-02	1040	3,09E-02				
490	2,84E-02	675	3,48E-02	860	4,34E-02	1045	2,84E-02				
495	2,86E-02	680	3,50E-02	865	4,36E-02	1050	2,59E-02				
500	2,89E-02	685	3,51E-02	870	4,39E-02	1055	2,32E-02				
505	2,91E-02	690	3,53E-02	875	4,41E-02	1060	2,07E-02				
510	2,93E-02	695	3,54E-02	880	4,44E-02	1065	1,85E-02				
515	2,95E-02	700	3,56E-02	885	4,46E-02	1070	1,66E-02				
520	2,97E-02	705	3,58E-02	890	4,49E-02	1075	1,49E-02				
525	2,99E-02	710	3,61E-02	895	4,51E-02	1080	1,34E-02				
530	3,01E-02	715	3,63E-02	900	4,53E-02	1085	1,21E-02				
535	3,03E-02	720	3,65E-02	905	4,55E-02	1090	1,09E-02				
540	3,05E-02	725	3,67E-02	910	4,57E-02	1095	9,74E-03				
545	3,07E-02	730	3,69E-02	915	4,59E-02	1100	8,67E-03				
550	3,08E-02	735	3,71E-02	920	4,61E-02						
555	3,10E-02	740	3,73E-02	925	4,63E-02						
560	3,12E-02	745	3,76E-02	930	4,66E-02						
565	3,14E-02	750	3,78E-02	935	4,68E-02						
570	3,16E-02	755	3,80E-02	940	4,71E-02						
575	3,18E-02	760	3,83E-02	945	4,73E-02						
580	3,19E-02	765	3,85E-02	950	4,74E-02						