

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **K 180**

of **Kipp & Zonen B.V.**  
**Calibration Laboratory**

This annex is valid from: **05-08-2020** to **01-11-2023**

Replaces annex dated: **24-10-2019**

**Location(s) where activities are performed under accreditation**

**Head Office**

Delftechpark 36  
 2628 XH  
 Delft  
 The Netherlands

Location	Abbreviation/ location code
Delftechpark 36 2628 XH Delft The Netherlands	De

HCS code	Measured quantity, Instrument, Measure	Range	CMC <sup>1</sup>	Remarks	Location
OQ 0 0	Optical quantities				
OQ 1 1	Radiometric quantities				
	Sensitivity of Pyranometer, $\mu\text{V} / (\text{W}/\text{m}^2)$	5 - 7 $\mu\text{V} / (\text{W}/\text{m}^2)$ 7 - 50 $\mu\text{V} / (\text{W}/\text{m}^2)$	1.2 % of reading 1.0 % of reading	Indoor calibration ISO9847 par. 5.3.2 The typical application range of pyranometers is for irradiances from 100 to 1500 W/m <sup>2</sup>	De
	Sensitivity of Pyrheliometer, $\mu\text{V} / (\text{W}/\text{m}^2)$	5 - 50 $\mu\text{V} / (\text{W}/\text{m}^2)$	1.1 % of reading	Indoor calibration In-house method The typical application range of pyrheliometers is for irradiances from 100 to 1500 W/m <sup>2</sup>	De

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

<sup>1</sup> Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty,  $U$ , is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

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HCS code	Measured quantity, Range	Frequency	CMC <sup>2</sup>	Remarks	Location
LF 0 0	DC/LF Electricity				
LF 6 0	Impedance (DC/LF)				
LF 6 2	DC Resistance				
	Resistance of Pyranometer	15 – 150.000 Ω	7 % of reading	Lab calibration	De
	Resistance of Pyrheliometer	15 – 150.000 Ω	7 % of reading	Lab calibration	De

<sup>2</sup> Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty,  $U$ , is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".