



**YOKOGAWA**

European Standards Laboratory  
Yokogawa Europe Solutions B.V.  
Amersfoort, The Netherlands



**CALIBRATION-CERTIFICATE**

Certificate number 58518P10127  
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Applicant Example Certificate

Example

Instrument	WT5000 Precision Power Analyzer Mainframe
	Manufacturer Yokogawa
	Type WT5000-HE-F
	Serial number C2VA06056V
	Inventory number CCE_1_1042
	ID numbers used standards CSE820 CSE976 CSE981 CSE965 CSE1029
	Procedure CALWT5000_Freq Version: 1 of 22-01-2019

Calibration method	The Powermeter was compared to the Yokogawa Power Calibration System via a phantom technique. During the calibration the distortion of the applied voltage and current were below 0.1 %. Before calibration the device was powered on for at least 12 hours.
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Environmental conditions	Temperature (23.2 ± 1) °C
	Relative Humidity (41 ± 4) %rh

Date of Calibration	04 February 2019
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Result	<p>The results of the calibration are shown on the next pages.</p> <p>The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor 2 such that the coverage probability corresponds to approximately 95 %.</p> <p>The standard uncertainty of measurement has been determined in accordance with the EA-4/02 M:2013.</p> <p>The long term stability of the calibrated object is not included in the reported expanded uncertainty measurement.</p> <p>This certificate of calibration is issued in compliance with ISO/IEC 17025:2005</p>
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Traceability	The measurements have been executed using standards for which the traceability to (inter)national standards has been demonstrated towards the RvA.
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Date	04 February 2019
Name	E.J. Kroon
Function	Manager European Standards Laboratory

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The Raad voor Accreditatie is member of the European Co-operation for Accreditation (EA) and is one of the signatories to the ILAC Mutual Recognition Arrangements (MRA) for the mutual recognition of calibration Certificates.

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**Frequency Calibration**

Range	Applied	Measured	±Uncertainty	Unit	Deviation %
15V	60.000	60.000	0.002	Hz	0.000
15V	1.00000	1.00000	0.00002	kHz	0.000
15V	10.0000	10.0000	0.0002	kHz	0.000
15V	50.000	50.000	0.002	kHz	0.000

Comments :

*Example*

