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Trescal | CALIBRATION SOLUTIONS TO IMPROVE YOUR PERFORMANCE |

CALIBRATION RvA K 052

CALIBRATION CERTIFICATE

2104-09921

Customer information

Client	: Cleanroom Control And Sterilization Technology
Contact	: Mevr. Angelika Zweimüller
Address	: Triesterstrasse 36 2512 Oeynhausen Germany
Reference client	: C105206 / CP0999
Reference Trescal	: 202117453/1

Instrument information

Make / type	: AMPTEK INC / MCA8000D
Description	: Recorder/datalogger
Range	:
Serial number	: 00738
Identification number	: C83
Accuracy	:

Date of calibration : 30 April 2021

Method of calibration

P1-02-E.017 Calibration of recorders and dataloggers

Environmental conditions (used in determination of uncertainty)

Ambient temperature	: 23 °C ± 3 °C
Relative humidity	: 40%rh - 70%rh

Used reference

The measurements have been executed using standards for which the traceability to (inter)national standards has been demonstrated towards the Dutch Accreditation Council (RvA).

41505/9 Function generator Cert.201207556

Note

The instrument is measured but not adjusted, so the results are both 'as found' as 'as left'.

Issue date: 30 April 2021

Technician
Eelco Ooms

Head of the laboratory
Luc Van Pelt

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Conclusion : The results comply with the manufacturer specifications.

Calibration Method : After acclimatising for a period not less than 1 hour; he measurement functions of the MCA800D are verified using a calibrator.

The instrument is not adjusted.
The measured values are the result of 1 observations.
The error is defined as value of the UUT (reading/setting) - value of the Standard(supplied/measured).

Gain accuracy at 1 kHz

UUT Range	Supplied	UUT Reading	Limit Min	Limit Max	Error ± Uncertainty
1 V	800,0 mV	0,80046 V	0,79508 V	0,80499 V	(0,5 ± 0,4) mV
10 V	8,000 V	8,0145 V	7,9508 V	8,0499 V	(14 ± 4) mV

The stated uncertainty is that of the entire set-up including the object under test.
The reported expanded uncertainty is based on the standard uncertainty of the measurement multiplied by a coverage factor k, such that the coverage probability corresponds to approximately 95%.
The uncertainty is calculated following EA-4/02 .