

# Certificate of Calibration

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ISSUED BY: WITHNELL SENSORS LTD  
DATE OF ISSUE: 08 March 2018  
CERTIFICATE NUMBER: M3T42248.08032018

APPROVED SIGNATORY

NAME Billy Parkinson

SIGNATURE



Withnell Sensors

## Withnell Sensors Ltd

The Old Silk Mill

Bury Lane

Withnell

PR6 8RX

TEL: +44 (0)1254-831375

FAX: +44 (0)1254-919403

EMAIL: [service@withnellsensors.co.uk](mailto:service@withnellsensors.co.uk)

WEB: [www.withnellsensors.co.uk](http://www.withnellsensors.co.uk)

CUSTOMER

**CiK Solutions GmbH**  
**Haid-und-Neu-Strasse 7**  
**Karlsruhe**  
**D-76131**  
**Germany**

CUSTOMER P/O

**2018-10152**

MAKE

**DATATRACE**

MODEL

**MPIII**

DESCRIPTION

**Datalogger with Indicator**

SERIAL NUMBER

**M3T42248**

UUT CONDITION

**Functional and Operational**

CALIBRATION COMPLETED

**08 Mar 2018**

TEST CONDITIONS

Ambient Temperature:

23 °C ± 2 °C

Relative Humidity:

40 %RH ± 20%RH

REFERENCE STANDARD

SN: 70302

Cert: 01099

Cal Date: 11 OCT 17 [1]

Calibration of this instrument is traceable to NIST via standards maintained at Withnell Sensors Ltd. The primary transfer standard used to calibrate this instrument is calibrated annually. The recommended calibration cycle is one year. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

**CERTIFICATE OF CALIBRATION**

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Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, PR6 8RX

**CERTIFICATE NUMBER**

M3T42248.08032018

Model: MPIII

Serial Number: M3T42248

**CHANNEL 1  
AS FOUND RESULTS**

	Set-Point °C	Spec ±°C	Standard °C	UUT °C	Difference °C	Pass/Fail
[1]	-20	0.30	-19.987	-19.99	0.00	Pass
[1]	50	0.30	49.938	49.93	-0.01	Pass
[1]	140	0.30	139.913	139.90	-0.01	Pass

**SAMPLE****Calibration Method**

The UUT was calibrated by fully immersing in a fluid bath and compared with a temperature reference standard of known and traceable values of uncertainty. At each setpoint the logger was allowed to equilibrate for a period of 60mins or more. A collection of samples were recorded and the average sample reported.

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