

CPS (NZ) LIMITED

CALIBRATION CERTIFICATE

Submitted By : **CPS (NZ) Ltd – Chris Woudenberg**
38 Angle Street
Onehunga, Auckland

Item Details	Fluke Thermal Imager	Report Number :	CPS 1N0000
Manufacturer :	Fluke	Date of Test :	25 January 2017
Model :	Ti20	Date of Certificate:	25 January 2017
Serial Number:	1111111		
Resolution :	0.1 °C	Ambient Temperature:	20.8 °C
Range	-10 to 350 °C	Test Method:	CPS TC-TMM

This item was calibrated by comparison to a Hart 4180 (serial # B06261) and/or 4181 (serial # B06463) Flat Plate IR Calibrator, calibrated by Hart Scientific Ltd, Certificate # B5723065 & B6112038 .
The equipment used in this calibration is traceable to National and International Standards via Hart Scientific Ltd of the USA.

CALIBRATION RESULTS

Scale Units °C

Ref Reading	DUT Reading	Correction	Expanded Uncertainty
-10.00	-9.9	-0.1	0.85
10.02	9.9	0.1	0.43
100.04	98.1	1.9	1.11
150.01	148.1	1.9	2.59
200.01	198.4	1.6	2.87
250.01	249.4	0.6	3.92
350.01	344.7	5.3	5.54

The Uncertainties listed above are at a confidence level of 95% where $k = 2.23$
The above uncertainty applies to objects with an angular size greater than 1 degree

The Corrections should be added to the readings (observing the sign of the correction) to obtain the corrected reading.

These above results are valid at the below calibration distance

The Imaging Camera was placed 60cm anterior to the 152 mm diameter reference plate.

The Imaging Camera emissivity used for this calibration was 0.95.

This calibration was carried out by CPS Labs, part of CPS (NZ) Ltd, at 38 Angle Street, Onehunga.

Tested By :



All measurements reported herein have been performed in accordance with the laboratory's scope of accreditation

Chris Woudenberg
Authorised Signatory

Checked By :

Maria Morse

IANZ Registration Number 271

This Certificate must not be altered, or reproduced except in full. Page 1 of 1
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