

Schedule of Accreditation



Organisation Name	AccuScience (Irl) Ltd
Trading As	Accuscience Ireland Limited
INAB Reg No	309C
Contact Name	Seamus Carpenter
Address	Unit C3, M7 Business Park, Newhall, Kildare, W91 XF79
Contact Phone No	
Email	seamus.carpenter@accuscience.ie
Website	http://www.accuscience.ie
Accreditation Standard	EN ISO/IEC 17025 C
Standard Version	2017
Date of award of accreditation	19/02/2013
Scope Classification	Metrology
Services available to the public ¹	Yes

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Head Office	Unit C3, M7 Business Park, Newhall, Kildare, W91 XF79

Scope of Accreditation

Head Office

Metrology

Category: B

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
107 Temperature measuring equipment - .09 Digital temperature indicator systems	Degrees C	0°C to 125°C	0.05°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using IRTD Thermometer
			0.06°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using IRTD Thermometer
		0°C to 5°C	0.16°C	Documented in-house procedure ACCU168 for the Calibration of	PT100s	CMC using field thermometers

			digital temperature systems with resistive type sensors		
		0.16°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using field thermometers
		0.18°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermocouples	CMC using field thermometers
	-40°C to 0°C	0.16°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using field thermometers
		0.16°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using field thermometers
		0.19°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with	Thermocouples	CMC using field thermometers

			resistive type sensors		
	42°C to 125°C	0.21°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using field thermometers
		0.21°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using field thermometers
		0.28°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermocouples	CMC using field thermometers
	5°C to 42°C	0.18°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using field thermometers
		0.18°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using field thermometers

		0.25°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermocouples	CMC using field thermometers
	-90°C to 0°C	0.08°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using IRTD Thermometer
		0.08°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using IRTD Thermometer
	-90°C to -40°C	0.18°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	PT100s	CMC using field thermometers
		0.19°C	Documented in-house procedure ACCU168 for the Calibration of digital temperature systems with resistive type sensors	Thermistors	CMC using field thermometers
		0.21°C	Documented in-house procedure	Thermocouples	CMC using field thermometers

				ACCU168 for the Calibration of digital temperature systems with resistive type sensors		
108 Temperature controlled enclosures - .01 Ovens, furnaces, baths	0°C to 50°C	0.24°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
		0.24°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
	-50°C to 0°C	0.40°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
		0.42°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
	50°C to 90°C	0.37°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
		0.38°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
	90°C to 130°C	0.36°C		Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution

			0.36°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
108 Temperature controlled enclosures - .02 Incubators		0°C to 50°C	0.24°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
			0.24°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
		50°C to 90°C	0.37°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
			0.38°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
108 Temperature controlled enclosures - .03 Autoclaves and sterilising ovens		90°C to 130°C	0.36°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
			0.36°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
108 Temperature controlled enclosures - .04 Industrial freezers		0°C to 50°C	0.24°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution

			0.24°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
		-50°C to 0°C	0.40°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
			0.42°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions
		-85°C to -50°C	0.33°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes a Radiation Effect Contribution
			0.38°C	Single and multi-point calibration using documented in-house procedure ACCU167		Uncertainty of Measurement includes Radiation Effect and Loading Effect Contributions

Calibration Measurement Capability (CMC) is expressed in terms of the following parameters:

- Measurand or reference material*
- Calibration or measurement method or procedure and type of instrument or material calibrated/measured*
- Measurement range and additional parameters where applicable*
- Measurement uncertainty.*

Measurement uncertainty shall be reported in compliance with EA 4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

In accordance with INAB policy, uncertainties are calculated for an estimated confidence level of not less than 95%.