



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Circuit Scale, Inc.**  
**603 Colby Drive, Unit 10**  
**Waterloo, ON N2V 1A1**

has been assessed by ANAB and meets the requirements of international standard

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2136-1

Certificate Number



ANAB Approval

Certificate Valid Through: 03/28/2022  
Version No. 004 Issued: 02/27/2020



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Circuit Scale, Inc.**  
603 Colby Drive, Unit 10  
Waterloo, ON N2V 1A1  
Don Herzberg  
519-570-9678

**CALIBRATION**

Valid to: **March 28, 2022**

Certificate Number: **L2136-1**

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Analytical Balances <sup>1</sup> (0.0001 g Resolution)	(0 to 220) g	0.87 mg	ASTM E617 Class 1 Weights, Canadian Weights and Measures Act and NIST Handbook 44 utilized for the calibration of the Weighing System
(0.001 g Resolution)	(0 to 380) g	1.7 mg	
(0.01 g Resolution)	(0 to 2 500) g	15 mg	
(0.1 g Resolution)	(0 to 5 100) g	0.13g	
Industrial Scales <sup>1</sup> (0.5 g Resolution)	(0 to 1 000) g	0.51 g	Standard Weights per Measurement Canada Schedule IV Part III of Weights and Measurements Act and Regulations (OIML Class M1), Canadian Weights and Measures Act and NIST Handbook 44 utilized for the calibration of the Weighing System
(1 g Resolution)	(0 to 2 000) g	1 g	
(2 g Resolution)	(0 to 10 000) g	2.1 g	
(0.01 kg Resolution)	(0 to 200) kg	0.019 kg	
(0.5 kg Resolution)	(0 to 2 500) kg	0.52 kg	
(5 kg Resolution)	(0 to 20 000) kg	9.3 kg	
(10 kg Resolution)	(0 to 100 000) kg	19 kg	

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2136-1.



Vice President

