



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Rogan Incorporated

400 Devils Glen Road
 P.O. Box 908
 Bettendorf, IA 52722
 Rick Rogan
 563-355-2647

CALIBRATION

Valid to: **September 18, 2020**

Certificate Number: **L2056-1**

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Balances (1 µg Resolution) (10 µg Resolution) (0.1 mg Resolution) (1 mg Resolution)	(0 to 2 000) mg (0 to 21 000) mg (0 to 20) g (0 to 200) g	1 µg 16 µg 100 µg 1 mg	Class I Weights in accordance with ASTM E617 and NIST Handbook 44 utilized for the calibration of the Weighing System
Balances (0.001 g Resolution)	(0 to 5 000) g	16 mg	Class II Weights in accordance with ASTM E617 and NIST Handbook 44 utilized for the calibration of the Weighing System
Scales (0.1 lb Resolution)	(0 to 1 000) lb	0.1 lb	Class F Weights in accordance with NIST 105-1 and NIST Handbook 44 utilized for the calibration of the Weighing System
(0.2 lb Resolution)	(0 to 2 000) lb	0.2 lb	
(0.5 lb Resolution)	(0 to 5 000) lb	0.5 lb	
(1 lb Resolution)	(0 to 10 000) lb	1.1 lb	
(2 lb Resolution)	(0 to 20 000) lb	2 lb	
(5 lb Resolution)	(0 to 50 000) lb	4.1 lb	
(20 lb Resolution) (100 lb Resolution)	(0 to 300 000) lb (0 to 500 000) lb	23 lb 37 lb	





Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Industrial Weight Test and Calibration	25 lb	0.35 g	SOP 8 Modified Substitution and SOP 7 Single Substitution Rogan Incorporated Procedures
	50 lb	0.7 g	
	500 lb	5 g	SOP 7 Single Substitution and SOP 8 Modified Substitution Rogan Incorporated Procedures
	1 000 lb	10 g	

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Metal Detection	1 mm to 1.5 mm	0.25 mm	Fe Strip Red
	1.5 mm to 2 mm	0.25 mm	
	2 mm to 2.5 mm	0.25 mm	
	2.5 mm to 3.5 mm	0.50 mm	
	1 mm to 1.5 mm	0.25 mm	N-Fe Strip Yellow
	1.5 mm to 2 mm	0.25 mm	
	2 mm to 2.5 mm	0.25 mm	
	2.5 mm to 3mm	0.25 mm	
	1.5 mm to 2 mm	0.25 mm	SS Strip Blue
	2 mm to 2.5 mm	0.25 mm	
	2.5 mm to 3 mm	0.25 mm	
	3 mm to 3.5 mm	0.25 mm	
	1 mm to 1.5 mm	0.25 mm	Fe Sphere Red
	1.5 mm to 2 mm	0.25 mm	



Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Metal Detection	2 mm to 2.5 mm	0.25 mm	Fe Sphere Red
	2.5 mm to 3 mm	0.25 mm	
	1 mm to 1.5 mm	0.25 mm	N-Fe Sphere Green
	1.5 mm to 2 mm	0.25 mm	
	2 mm to 2.5 mm	0.25 mm	
	2.5 mm to 3 mm	0.25 mm	
	1.5 mm to 2 mm	0.25 mm	SS Sphere Blue
	2 mm to 2.5 mm	0.25 mm	
	2.5 mm to 3 mm	0.25 mm	

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. L2056-1.



Vice President