



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
8101 Industry Drive
North Little Rock, AR 72117

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 008 Issued: 01/17/2019



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
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

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CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756**

Acoustics and Vibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Sound level meter	94 dB 114 dB	0.55 dB 0.55 dB	Sound standard

Chemical Quantities

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
pH Meters ¹	(4.0, 7.0, 10.0) pH	0.03 pH	pH Standards
Conductivity ¹	10 μS (10 to 1 000) μS (1 000 to 100 000) μS	0.62 μS 4.2 μS 0.03 mS	Conductivity Standards

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
DC Voltage – Measure ¹	(10 to 100) mV 100 mV to 1 V (1 to 10) V (10 to 100) V 100 V to 1 kV	15 μV/V + 3 μV 16 μV/V + 0.3 μV 16 μV/V + 0.05 μV 16 μV/V + 0.3 μV 17 μV/V + 0.1 μV	HP 3458A opt 002 Multimeter



Electrical – DC/Low Frequency

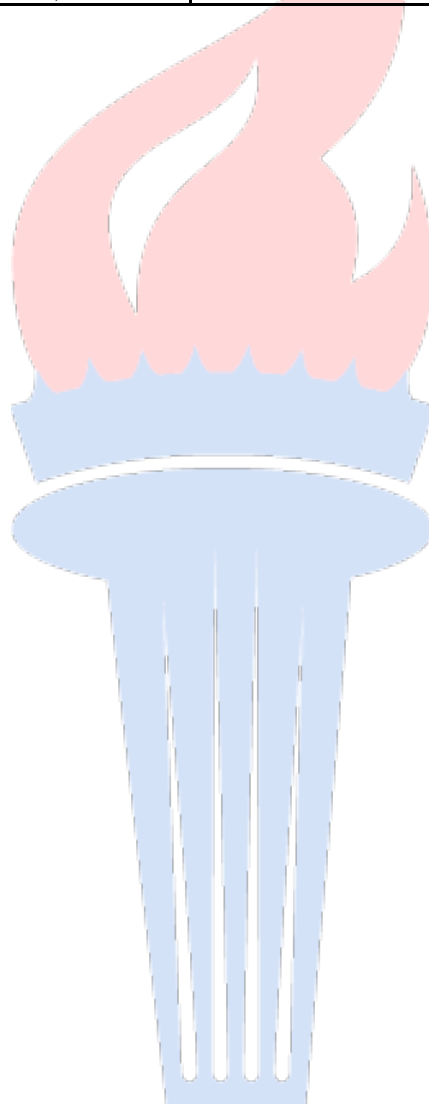
Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
DC Voltage - Source ¹	(0 to 329.9) mV (0 to 3.299) V (0 to 32.999) V (30 to 329.999) V 100 V to 1.02 kV	6.6 μ V/V + 1 μ V 35 μ V/V + 2 μ V 0.4 mV/V + 20 μ V 5.9 mV/V + 0.15 mV 19 mV/V + 1.5 mV	Fluke 5522A/SC600 Multi Product Calibrator
DC Current - Measure ¹	(10 to 100) μ A 100 μ A to 10 mA (10 to 100) mA 100 mA to 1 A	28 μ A/A + 8 μ A 25 μ A/A + 5 μ A 45 μ A/A + 5 μ A 0.18 mA/A + 10 μ A	HP 3458A Opt 002 Multimeter
DC Current - Source ¹	(0 to 329.9) μ A (0 to 3.299 9) mA (0 to 32.999) mA (0 to 329.99) mA (0 to 1.099 9) A (1.1 to 2.999) A (0 to 10.99) A (11 to 20.5) A	50 nA/A + 20 nA 0.33 μ A/A + 50 nA 3.3 μ A/A + 0.25 μ A 33 μ A/A + 2.5 μ A 0.22 mA/A + 40 μ A 1.1 mA/A + 40 μ A 5.5 mA/A + 0.5 mA 21 mA/A + 0.75 mA	Fluke 5522A/SC600 Multi Product Calibrator
AC Voltage – Measure ¹	(10 to 100) mV (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz 100 mV to 10 V (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz (10 to 100) V (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz	0.3 mV/V + 30 μ V 0.2 mV/V + 11 μ V 0.3 mV/V + 11 μ V 1 mV/V + 11 μ V 5 mV/V + 11 μ V 40 mV/V + 20 μ V 0.7 mV/V + 0.4 mV 0.7 mV/V + 0.2 mV 1.4 mV/V + 0.2 mV 3 mV/V + 0.2 mV 8 mV/V + 0.3 mV 30 mV/V + 1 mV 0.1 V/V + 1mV 0.1 V/V + 1 mV 20 mV/V + 4 mV 20 mV/V + 2 mV 20 mV/V + 2 mV 35 mV/V + 2 mV 0.1 V/V + 2 mV 0.4 V/V + 10 mV 1.5 V/V + 10 mV	HP 3458A opt 002 Multimeter



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Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Voltage – Measure ¹	100 V to 1 kV (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz	0.4 V/V + 40 mV 0.4 V/V + 20 mV 0.6 V/V + 20 mV 1 V/V + 20 mV 3 V/V + 20 mV	HP 3458A opt 002 Multimeter





Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Voltage - Source ¹	(1 to 32.99) mV		Fluke 5522A/SC600 Multi Product Calibrator
	(10 to 40) Hz	26 μ V/V + 6 μ V	
	45 Hz to 10 kHz	5 μ V/V + 6 μ V	
	(10 to 20) kHz	6.6 μ V/V + 6 μ V	
	(20 to 50) kHz	33 μ V/V + 6 μ V	
	(50 to 100) kHz	0.11 mV/V + 12 μ V	
	(100 to 500) kHz	0.26 mV/V + 50 μ V	
	(33 to 329.99) mV		
	(10 to 45) Hz	99 μ V/V + 8 μ V	
	45 Hz to 10 kHz	48 μ V/V + 8 μ V	
	(10 to 20) kHz	53 μ V/V + 8 μ V	
	(20 to 50) kHz	0.12 mV/V + 8 μ V	
	(50 to 100) kHz	0.26 mV/V + 32 μ V	
	(100 to 500) kHz	0.66 mV/V + 70 μ V	
	(0.33 to 3.299) V		
	(10 to 45) Hz	0.99 mV/V + 50 μ V	
	45 Hz to 10 kHz	0.5 mV/V + 60 μ V	
	(20 to 50) kHz	0.63 mV/V + 60 μ V	
	(50 to 100) kHz	23 mV/V + 0.13 mV	
	(100 to 500) kHz	7.9 mV/V + 0.6 mV	
	(3.3 to 32.99) V		
	(10 to 45) Hz	9.9 mV/V + 0.65 mV	
	45 Hz to 10 kHz	5 mV/V + 0.6 mV	
	(10 to 20) kHz	7.9 mV/V + 0.6 mV	
	20 to 50 kHz	12 mV/V + 0.6 mV	
	50 to 100 kHz	30 mV/V + 1.6 mV	
	(33 to 329.99) V		
45 Hz to 1 kHz	63 mV/V + 2 mV		
(1 to 10) kHz	66 mV/V + 6 mV		
(10 to 20) kHz	83 mV/V + 6 mV		
(20 to 50) kHz	99 mV/V + 6 mV		
(50 to 100) kHz	660 V/V + 6 mV		
(330 to 1 020) V			
45 Hz to 1 kHz	0.31 V/V + 10 mV		
(1 to 5) kHz	0.26 V/V + 10 mV		
(5 to 10) kHz	0.31 V/V + 10 mV		



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Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Voltage - Source ¹ (AUX output)	(10 to 329.99) mV		Fluke 5522A/SC600 Multi Product Calibrator
	(10 to 20) Hz	0.66 mV/V + 0.37 mV	
	(20 to 45) Hz	0.66 mV/V + 0.37 mV	
	45 Hz to 1 kHz	0.66 mV/V + 0.37 mV	
	(1 to 5) kHz	0.66 mV/V + 0.45 mV	
	(5 to 10) kHz	1.32 mV/V + 0.45 mV	
	(10 to 30) kHz	16.5 mV/V + 0.9 mV	
	(0.33 to 3.299) V		
	(10 to 20) Hz	6.6 mV/V + 0.45 mV	
	(20 to 45) Hz	6.6 mV/V + 0.45 mV	
	45 Hz to 1 kHz	3 mV/V + 0.45 mV	
	(1 to 5) kHz	6.6 mV/V + 1.4 mV	
	(5 to 10) kHz	13 mV/V + 1.4 mV	
	(10 to 30) kHz	0.165 V/V + 2.8 mV	
	(3.3 to 5) V		
	(10 to 20) Hz	0.01 V/V + 0.45 mV	
	(20 to 45) Hz	5 mV/V + 450 μV	
45 Hz to 1 kHz	4.5 mV/V + 450 μV		
(1 to 5) kHz	0.01 V/V + 1.4 mV		
(5 to 10) kHz	0.02 V/V + 1.4 mV		
Resistance - Source ¹	(0 to 10.9) Ω	0.4 mΩ/Ω + 10 mΩ	Fluke 5522A/SC600 Multi Product Calibrator
	(11 to 32.9) Ω	1 mΩ/Ω + 15 mΩ	
	(33 to 109.99) Ω	3 mΩ/Ω + 15 mΩ	
	(110 to 329.99) Ω	9.2 mΩ/Ω + 20 mΩ	
	(0.33 to 1.09) kΩ	31 mΩ/Ω + 20 mΩ	
	(1.1 to 3.299) kΩ	92 mΩ/Ω + 0.2 Ω	
	(3.3 to 10.99) kΩ	0.31 Ω/Ω + 0.1 Ω	
	(11 to 32.999) kΩ	0.92 Ω/Ω + 1 Ω	
	(33 to 109.99) kΩ	3.1 Ω/Ω + 1 Ω	
	(110 to 329.9) kΩ	11 Ω/Ω + 10 Ω	
	(33 to 1.09) MΩ	35 Ω/Ω + 10 Ω	
	(1.1 to 3.29) MΩ	0.2 kΩ/Ω + 0.15 kΩ	
	(3.3 to 10.9) MΩ	1.4 kΩ/Ω + 0.25 kΩ	
	(11 to 32.99) MΩ	8.3 kΩ/Ω + 2.5 kΩ	
	(33 to 109.99) MΩ	55 kΩ/Ω + 3 kΩ	
	(110 to 329.99) MΩ	0.99 MΩ/Ω + 0.1 MΩ	
	(330 to 1 100) MΩ	17 MΩ/Ω + 0.5 MΩ	



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Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Resistance - Measure ¹	(1 to 10) Ω (10 to 100) Ω 100 Ω to 100 kΩ 100 k Ω to 1 MΩ (1 to 10) MΩ (10 to 100) MΩ 100 M Ω to 1 GΩ	23 μΩ/Ω + 0.1 mΩ 23 μΩ/Ω + 0.1 mΩ 11 μΩ/Ω + 0.1 Ω 63 μΩ/Ω + 4 Ω 0.83 Ω/Ω + 100 Ω 0.1 mΩ/Ω + 10 kΩ 10 mΩ/Ω + 10 kΩ	HP 3458A Opt 002 Multimeter
AC Current - Measure ¹	(10 to 100) μA (10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz 100 μA to 100 mA (10 to 20) Hz (20 to 45) Hz 45 Hz to 100 Hz 100 Hz to 5 kHz (5 to 20) kHz (20 to 50) kHz (50 to 100) kHz 100 mA to 1 A (10 to 20) Hz (20 to 45) Hz 45 Hz to 100 Hz 100 Hz to 5 kHz (5 to 20) kHz (20 to 50) kHz	0.4 μA/A + 0.03 μA 0.2 μA/A + 0.03 μA 0.1 μA/A + 0.03 μA 0.4 mA/A + 20 μA 0.2 mA/A + 20 μA 0.1 mA/A + 20 μA 0.1 mA/A + 20 μA 0.1 mA/A + 20 μA 0.1 mA/A + 20 μA 0.4 mA/A + 40 μA 0.6 mA/A + 0.15 mA 4 mA/A + 0.2 mA 2 mA/A + 0.2 mA 1 mA/A + 0.2 mA 1 mA/A + 0.2 mA 3 mA/A + 0.2 mA 10 mA/A + 0.4 mA	HP 3458A Opt 002 Multimeter
AC Current - Source ¹	(29 to 329.99) μA (10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz (0.33 to 3.299) mA (10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz (10 to 30) kHz	0.66 μA + 0.1 μA 0.5 μA + 0.1 μA 0.41 μA + 0.1 μA 0.99 μA + 0.15 μA 2.6 μA + 0.2 μA 5.3 μA + 0.4 μA 6.6 μA + 0.15 μA 4.1 μA + 0.15 μA 3.3 μA + 0.15 μA 6.6 μA + 0.2 μA 17 μA + 0.3 μA 33 μA + 0.6 μA	Fluke 5522A/SC600 Multi Product Calibrator

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Current - Source ¹	(3.3 to 32.99) mA		Fluke 5522A/SC600 Multi Product Calibrator
	(10 to 20) Hz	59 μ A + 2 μ A	
	(20 to 45) Hz	30 μ A + 2 μ A	
	45 Hz to 1 kHz	13 μ A + 2 μ A	
	(1 to 5) kHz	26 μ A + 2 μ A	
	(5 to 10) kHz	66 μ A + 2 μ A	
	(33 to 329.99) mA		
	(10 to 20) Hz	0.59 mA + 20 μ A	
	(20 to 45) Hz	0.3 mA + 20 μ A	
	45 Hz to 1 kHz	0.13 mA + 20 μ A	
	(1 to 5) kHz	0.33 mA + 50 μ A	
	(5 to 10) kHz	0.66 mA + 0.1 mA	
	(10 to 30) kHz	1.3 mA + 0.2 mA	
	(0.33 to 1.099 9) A		
	(10 to 45) Hz	2 mA + 0.1 mA	
	45 Hz to 1 kHz	0.55 mA + 0.1mA	
(1 to 5) kHz	6.6 mA + 1 mA		
(5 to 10) kHz	28 mA + 5 mA		
(1.1 to 2.999) A			
(10 to 45) Hz	5.4 mA + 100 μ A		
45 Hz to 1 kHz	1.8 mA + 100 μ A		
(1 to 5) kHz	18 mA + 1 mA		
(5 to 10) kHz	75 mA + 5 mA		
(3 to 10.99) A			
(45 to 100) Hz	6.6 mA + 2 mA		
100 Hz to 1 kHz	11 mA + 2 mA		
(1 to 5) kHz	0.33 A + 2 mA		
AC Current - Source ¹	(11 to 20.5) A		Fluke 5522A/SC600 Multi Product Calibrator
	(45 to 100) Hz	25 mA + 5 mA	
	100 Hz to 1 kHz	31 mA + 5 mA	
	(1 to 5) kHz	0.62 A + 5 mA	
Electrical Calibration of Thermocouple Indicators ¹	Type K		Fluke 5522A/SC600 Multi Product Calibrator
	-200 to -100) °C	0.33 °C	
	(-100 to -25) °C	0.18 °C	
	(-25 to 120) °C	0.16 °C	
	(120 to 1 000) °C	0.26 °C	
(1 000 to 1 372) °C	0.4 °C		



Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Calibration of Thermocouple Indicators ¹	Type J		Fluke 5522A/SC600 Multi Product Calibrator
	(-210 to -100) °C	0.27 °C	
	(-100 to -30) °C	0.16 °C	
	(-30 to 150) °C	0.14 °C	
	(150 to 760) °C	0.17 °C	
	(760 to 1 200) °C	0.23 °C	
	Type T		
	(-250 to -150) °C	0.63 °C	
	(-150 to 0) °C	0.24 °C	
	(0 to 120) °C	0.16 °C	
	(120 to 400) °C	0.14 °C	
	Type E		
	(-250 to -100) °C	0.5 °C	
	(-100 to -25) °C	0.16 °C	
	(-25 to 350) °C	0.14 °C	
	(350 to 650) °C	0.16 °C	
	(650 to 1 000) °C	0.21 °C	
	Type R		
	(0 to 250) °C	0.57 °C	
	(250 to 400) °C	0.35 °C	
	(400 to 1 000) °C	0.33 °C	
(1 000 to 1 767) °C	0.4 °C		
Type S			
(0 to 250) °C	0.47 °C		
(250 to 1 000) °C	0.36 °C		
(1 000 to 1 400) °C	0.37 °C		
(1 400 to 1 767) °C	0.46 °C		
Type N			
(-200 to -100) °C	0.4 °C		
(-100 to -25) °C	0.22 °C		
(-25 to 120) °C	0.19 °C		
(120 to 410) °C	0.18 °C		
(410 to 1 300) °C	0.27 °C		
Electrical Simulation of RTD Indicating Devices ¹	Pt 385, 100 Ω		Fluke 5522A/SC600 Multi Product Calibrator
	(-200 to -80) °C	0.05 °C	
	(-80 to 0) °C	0.05 °C	
	(0 to 100) °C	0.07 °C	
	(100 to 300) °C	0.08 °C	
	(300 to 400) °C	0.09 °C	
	(400 to 630) °C	0.1 °C	
	(630 to 800) °C	0.21 °C	



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Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Simulation of RTD Indicating Devices ¹	Pt 3926, 100 Ω		Fluke 5522A/SC600 Multi Product Calibrator
	(-200 to -80) °C	0.05 °C	
	(-80 to 0) °C	0.05 °C	
	(0 to 100) °C	0.07 °C	
	(100 to 300) °C	0.09 °C	
	(300 to 400) °C	0.1 °C	
	(400 to 630) °C	0.12 °C	
	Pt 3916, 100 Ω		
	(-200 to -190) °C	0.25 °C	
	(-190 to -80) °C	0.04 °C	
	(-80 to 0) °C	0.05 °C	
	(0 to 100) °C	0.06 °C	
	(100 to 260) °C	0.07 °C	
	(260 to 300) °C	0.08 °C	
	(300 to 400) °C	0.09 °C	
	(400 to 600) °C	0.1 °C	
	(600 to 630) °C	0.23 °C	
	Pt 385, 200 Ω		
	(-200 to -80) °C	0.04 °C	
	(-80 to 0) °C	0.04 °C	
	(0 to 100) °C	0.04 °C	
	(100 to 260) °C	0.05 °C	
	(260 to 300) °C	0.12 °C	
	(300 to 400) °C	0.13 °C	
	(400 to 600) °C	0.14 °C	
	(600 to 630) °C	0.16 °C	
	Pt 385, 500 Ω		
(-200 to -80) °C	0.04 °C		
(-80 to 0) °C	0.05 °C		
(0 to 100) °C	0.05 °C		
(100 to 260) °C	0.06 °C		
(260 to 300) °C	0.08 °C		
(300 to 400) °C	0.08 °C		
(400 to 600) °C	0.09 °C		
(600 to 630) °C	0.11 °C		

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Simulation of RTD Indicating Devices ¹	Pt 385, 1000 Ω		Fluke 5522A/SC600 Multi Product Calibrator
	(-200 to -80) °C	0.03 °C	
	(-80 to 0) °C	0.03 °C	
	(0 to 100) °C	0.04 °C	
	(100 to 260) °C	0.05 °C	
	(260 to 300) °C	0.06 °C	
	(300 to 400) °C	0.07 °C	
	(400 to 600) °C	0.07 °C	
	(600 to 630) °C	0.23 °C	
	PtNi 385, 120 Ω (Ni120)		
	(-80 to 0) °C	0.08 °C	
	(0 to 100) °C	0.08 °C	
(100 to 260) °C	0.14 °C		
Cu 427, 10 Ω		0.3 °C	
Capacitance Source	(220 to 399.9) pF	2 pF + 10 pF	Fluke 5522A/SC600 Multi Product Calibrator
	(0.4 to 1.099) nF	5.5 pF + 0.01 nF	
	(1.1 to 3.299) nF	17 pF + 0.01 nF	
	(3.3 to 10.999) nF	28 pF + 0.01 nF	
	(11 to 32.999) nF	83 pF + 0.1 nF	
	(33 to 109.99) nF	0.28 nF + 0.1 nF	
Capacitance Source	(110 to 329.99) nF	0.83 nF + 0.3 nF	Fluke 5522A/SC600 Multi Product Calibrator
	(0.33 to 1.099) μF	2.8 nF + 1 nF	
	(1.1 to 3.299) μF	8.3 nF + 3 nF	
	(3.3 to 10.999) μF	28 nF + 10 nF	
	(11 to 32.999) μF	0.13 μF + 30 nF	
	(33 to 109.99) μF	0.5 μF + 0.1 μF	
	(110 to 329.99) μF	1.5 μF + 0.3 μF	
	(0.33 to 1.099) mF	5 μF + 1 μF	
	(1.1 to 3.299) mF	15 μF + 3 μF	
	(3.3 to 10.999) mF	50 μF + 10 μF	
	(11 to 32.999) mF	0.25 mF + 30 μF	
(33 to 110) mF	1.1 mF + 0.1 mF		
Oscilloscope ¹ DC Function Into 50 Ω Into 1 MΩ	(0 to 6.6) V (0 to 130) V	± 0.25 % of output + 40 μV ± 0.05 % of output + 40 μV	Fluke 5522A/SC600 Multi Product Calibrator



Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Oscilloscope ¹ Square Wave Into 50 Ω Into 1 MΩ	± 1 mV to ± 6.6 V p-p ± 1mV to ± 130 V p-p	± 0.25 % of output + 40 μV ± 0.1 % of output + 40 μV	Fluke 5522A/SC600 Multi Product Calibrator
Edge Into 50 Ω	(2.5 to 5) V	± 2% of output + 200 μV	
Leveled Sine Wave	50 kHz 50 kHz to 100 MHz (100 to 300) MHz (300 to 600) MHz	± 2% of output + 300 μV ± 3.5% of output + 300 μV ± 4% of output + 300 μV ± 6% of output + 300 μV	
Time marker	50 ms to 5 s 20 ms to 100 ns (20 to 50) ns 10 ns (2 to 5) ns	± 2.5 ns ± 2.5 ps ± 0.5 ps ± 0.25 ps ±0.05 ps	

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Gage Blocks ³	Up to 4 in	(3.4 + 0.81L) μin	Master Gage Blocks
Plain Ring Gages ³	(0.04 to 12) in	(13 + 4L) μin	LabMaster Laser Measuring System
Plug Gages ³	Up to 14 in	(7.1 + 4.6L) μin	LabMaster Laser Measuring System
Reference Spheres	Up to 2 in	13 μin	LabMaster Laser Measuring System
Pin Gages	Up to 1 in	9 μin	LabMaster Laser Measuring System
Indicators	Up to 1 in	88 μin	Gage Blocks, Indicator Calibrator
Indicators ¹	Up to 1 in (1 to 5) in	59 μin 64 μin	Gage Blocks

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Micrometers and Depth Micrometers ³	Up to 50 in	$(90 + 7.3L) \mu\text{in}$	Gage Blocks
Calipers ^{1,3}	Up to 80 in	$(573 + 1.6L) \mu\text{in}$	Gage Blocks
Height Gages ^{1,3}	Up to 40 in	$(27 + 4.3L) \mu\text{in}$	Gage Blocks
Shims	Up to 250 mils	5.9 μin	LabMaster Laser Measuring System
Thickness coating gage ¹	Up to 250 mils	120 μin	Shims
Optical Comparators ¹ Linearity Angularity Magnification	Up to 16 in (0 to 180) Deg (10 to 100) X	0.001 4 in 5 arcsec 0.002 1 in	Inspection Master Angle Block
Microscopes ¹	Up to 1.0 in	1 200 μin	Stage Micrometer I1110, Ruler
Precision Rules	(6 to 72) in	0.012 in	Precision Rule and microscope
Measuring Tapes	(6 to 100) ft	0.073 in	Precision Rule Microscope
Roughness gage	16.1 $\mu\text{in Ra}$ 119.5 $\mu\text{in Ra}$	1.6 μin 3 μin	Roughness standard
Surface Plate Overall Flatness ^{1,3}	Up to (72 x 144) in	$4.7\sqrt{(D/4)}$ in	Electronic Leveling System
60 Degree Thread Plugs - Pitch Diameter	Up to 8 in	$(69 + 0.8L) \mu\text{in}$	Labmaster Laser Measuring System
Thread Wires	Up to 0.15 in	11 μin	LabMaster Laser Measuring System
Angle	Up to 90 deg	1.9 arcmin	Optical Comparator
Protractors	Up to 360 deg	0.37 arcmin	Angle Blocks, Height Gage
Protractors ¹	Up to 360 deg	35 arcmin	Angle Blocks
Electronic Levels	Up to 400 s	4.3 s	Sine Plate, Gage Blocks SSCLD-12-01
Length	0 to 100 in	$(113 + 6.5L) \mu\text{in}$	Gage blocks

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Vacuum ¹	Up to 27 in Hg	0.006 inHg	Transducer
Balances ²	Up to 20 g (20 to 200) g 200g to 1 kg (1 to 2) kg (2 to 5) kg (5 to 10) kg	0.66 mg 0.77 mg 2 mg 12 mg 0.064 g 0.23 g	Class F1 Weights to NIST Handbook 44
Scales ²	(0 to 10) lb (10 to 20) lb (20 to 50) lb (50 to 100) lb (100 to 200) lb (200 to 500) lb (500 to 1 000) lb	0.0013 lb 0.0024 lb 0.0059 lb 0.012 lb 0.024 lb 0.059 lb 0.23 lb	Class F1 and F Weights to NIST Handbook 44
Scales ²	(1 000 to 2 000) lb (2 000 to 5 000) lb (5 000 to 10 000) (10 000 to 20 000) lb (20 000 to 50 000) lb (50 000 to 100 000) lb (100 000 to 200 000) lb (200 000 to 300 000) lb (300 000 to 400 000) lb	0.58 lb 1.2 lb 2.3 lb 5.8 lb 12 lb 23 lb 23 lb 58 lb 58 lb	Class F1 and F Weights to NIST Handbook 44
Torque Transducers ¹	(0.005 2 to 250) lbf-in (1 to 1 000) lbf-ft	0.061 % of reading 0.12 % of reading	Weights, Torque Arm
Torque Wrenches ¹	(0.005 2 to 50) lbf-in (50 to 100) lbf-in (1 to 250) lbf-ft (250 to 1 000) lbf-ft	0.52 % of reading 0.6 % of reading 0.61 % of reading 0.59 % of reading	Torque Transducer
Force ¹ - Compression & Tension	(0 to 100) lbf (100 to 500) lbf (500 to 1 000) lbf (1 000 to 10 000) lbf (1 000 to 10 000) lbf	0.17 lbf 0.26 lbf 0.84 lbf 2.1 lbf 4.5 lbf	Load Cells, Weights
Force - Compression & Tension	(0 to 1 000) lbf (0 to 10 000) lbf	0.022 lbf 0.19 lbf	Ultra-Precision Load Cells



Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Pressure Gages Air	Up to 50 in H ₂ O Up to 10 psi Up to 100 psi Up to 300 psi Up to 1 000 psi Up to 5 000 psi	0.001 3 in H ₂ O 0.001 3 psi 0.006 1 psi 0.016 psi 0.14 psi 1.1 psi	Transducer
	(5.8 to 1 000) psi	(0.003 + 0.6R) psi	Deadweight Tester
Pressure Gages ¹ Oil	Up to 10 000 psi	3.1 psi	Deadweight Tester
Pressure Gages ¹ Air	Up to 300 psi Up to 50 in H ₂ O Up to 100 psi Up to 1 000 psi	0.06 psi 0.02 in H ₂ O 0.09 psi 0.16 psi	Transducer
Mass ASTM Classes 5, 6, & 7 and NIST Class F	1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 000 g 2 000 g 5 000 g	0.07 mg 0.05 mg 0.16 mg 0.03 mg 0.12 mg 0.02 mg 0.06 mg 0.11 mg 2.4 mg 1.3 mg 1.4 mg 3.7 mg	Balance, ASTM Class 1 weights
Indirect Verification to ASTM E10 of Brinell Hardness Testers ¹	(72 to 277) HBW	3.4 HBW	Hardness Blocks

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Rockwell Hardness Testers ¹	HRA		Indirect Verification to ASTM E18 using Hardness Blocks
	Low	0.37 HRA	
	Middle	0.37 HRA	
	High	0.27 HRA	
	HRBW		
	Low	0.53 HRBW	
	Middle	0.32 HRBW	
	High	0.32 HRBW	
	HRC		
	Low	0.38 HRC	
	Middle	0.38 HRC	
	High	0.29 HRC	
	HREW		
	Low	0.53 HRE	
	Middle	0.53 HRE	
High	0.53 HRE		
Rockwell Superficial Hardness Testers ¹	HR15N		Indirect Verification to ASTM E18 using Hardness Blocks
	Low	0.57 HR15N	
	Middle	0.57 HR15N	
	High	0.27 HR15N	
	HR30N		
	Low	0.41 HR30N	
	Middle	0.41 HR30N	
	High	0.41 HR30N	
	HR45N		
	Low	0.51 HR45N	
	Middle	0.51 HR45N	
	High	0.51 HR45N	
	HR15TW		
	Low	0.49 HR15TW	
	Middle	0.41 HR15TW	
	High	0.41 HR15TW	
	HR30TW		
	Low	0.43 HR30TW	
	Middle	0.37 HR30TW	
	High	0.37 HR30TW	

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Durometers			Direct Verification to ASTM D2240
Indenter Dimensions			Optical Projection
Extension	(0 to 0.1) in	0.000 28 in	
Diameter/Length	(0 to 0.15) in	0.000 28 in	
Indenter Radius	(0 to 0.05) in	0.000 28 in	
Indenter Angle	(25 to 40) °	0.001 4°	
Spring Force			Weights
Types A, B, E, O	Up to 8.05 N	0.098 N	
Types D, C, DO	Up to 44.45 N	0.58 N	

Thermodynamic

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Temperature - Infrared ²	Up to 500 °C Up to 1 200 °C	(0.17 + .001 3R) °C (2.1 + 0.001 5R) °C	Black Body, Dry Well
Chart Recorders			Environmental Chamber, Datalogger
Relative Humidity	(20 to 90) %RH	1.5 %RH	
Temperature	(-17 to 177) °C	0.57 °C	
Temperature ¹	(-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 1 000) °C (1 000 to 1 372) °C	0.26 °C	Thermo calibrator, Data logger, Temperature probe
Temperature probes	(-15 to 1 200) °C	(0.53 + 0.003 6R) °C	Dry well, PRT thermocouple, Type S thermocouple, Environmental Chamber

Time and Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Stop Watches	0.001 s to 24 h	38 ms	Stopwatch Calibrator
Optical Tachometers (1 to 10 000) rpm	0.5 Hz to 16.6 kHz	0.25 parts in 10 ⁶ Hz	Fluke 5522A/SC600 Multi Product Calibrator


Time and Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Frequency - Source ¹	(0.01 to 119.99) Hz (120 to 1199.9) Hz (1.2 to 11.999) kHz (12 to 119.99) kHz (120 to 1199.9) kHz (1.2 to 2) MHz	0.000 3 Hz 0.003 Hz 0.03 Hz 0.3 Hz 3 Hz 5 Hz	Fluke 5522A/SC600 Multi Product Calibrator
Frequency - Measure ¹	(1 to 40) Hz 25 ms to 1 s 40 Hz to 10 MHz 25 ms to 100 ns	0.05 % of reading 0.05 % of reading 0.01 % of reading 0.01 % of reading	HP 3458A Opt 002 Multimeter

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. Scale calibrations performed on-site only.
3. The use of (L) signifies an expression of applied Length in inches, the use of (D) signifies an expression of applied Diagonal Length in inches.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1756.



Vice President



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
4808 Alma Highway
Van Buren, AR 72956

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.01

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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 AND ANSI/NCSL Z540-1-1994 (R2002)

System Scale Corporation

4808 Alma Highway
Van Buren, AR 72956
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: February 1, 2021

Certificate Number: AC-1756.01

Mass and Mass Related

Table with 4 columns: Parameter/Equipment, Range, Calibration and Measurement Capability [Expressed as Uncertainty (±)], Reference Standard or Equipment. Rows include Balances and Scales with various weight ranges and uncertainties.

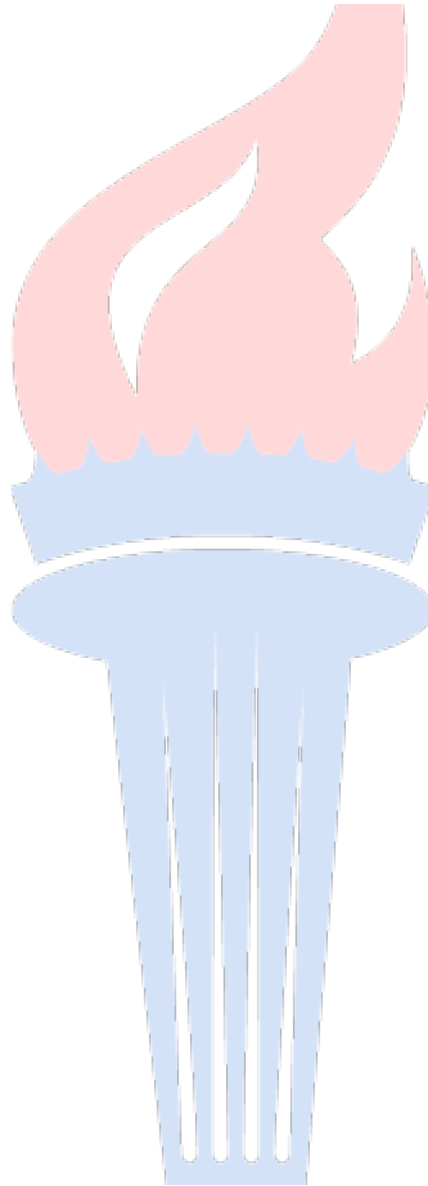
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Notes:

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Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
2212 N. Yellowood Avenue
Broken Arrow, OK 74012

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.02

Certificate Number



ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

2212 N. Yellowwood Avenue
Broken Arrow, OK 74012
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.02**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
Balances ¹	Up to 20 g	0.66 mg	Class F1 Weights to NIST Handbook 44
	(20 to 200) g	0.77 mg	
	200g to 1 kg	2 mg	
	(1 to 2) kg	12 mg	
	(2 to 5) kg	0.064 g	
	(5 to 10) kg	0.23 g	
Scales ¹	(0 to 10) lb	0.0013 lb	Class F1 and F Weights to NIST Handbook 44
	(10 to 20) lb	0.0024 lb	
	(20 to 50) lb	0.0059 lb	
	(50 to 100) lb	0.012 lb	
	(100 to 200) lb	0.024 lb	
	(200 to 500) lb	0.059 lb	
	(500 to 1 000) lb	0.23 lb	
	(1 000 to 2 000) lb	0.58 lb	
	(2 000 to 5 000) lb	1.2 lb	
	(5 000 to 10 000)	2.3 lb	
	(10 000 to 20 000) lb	5.8 lb	
	(20 000 to 50 000) lb	12 lb	
	(50 000 to 100 000) lb	23 lb	
	(100 000 to 200 000) lb	23 lb	
(200 000 to 300 000) lb	58 lb		
(300 000 to 400 000) lb	58 lb		

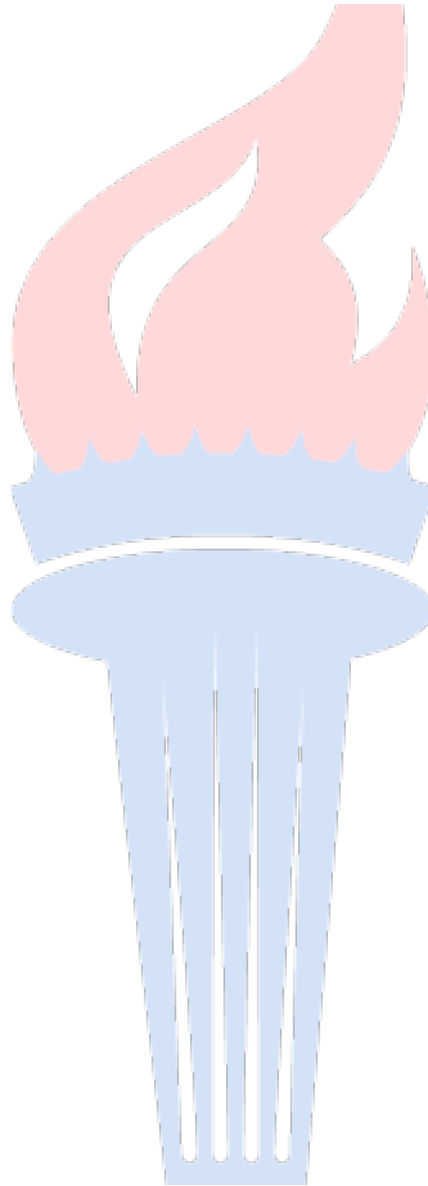
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Notes:

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2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1756.02.



Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
6579 Reese Road
Memphis, TN 38133

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.04

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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 AND ANSI/NCSL Z540-1-1994 (R2002)

System Scale Corporation

6579 Reese Road
Memphis, TN 38133
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: February 1, 2021

Certificate Number: AC-1756.04

Mass and Mass Related

Table with 4 columns: Parameter/Equipment, Range, Calibration and Measurement Capability [Expressed as Uncertainty (±)], Reference Standard or Equipment. Rows include Balances and Scales with various weight ranges and uncertainties.

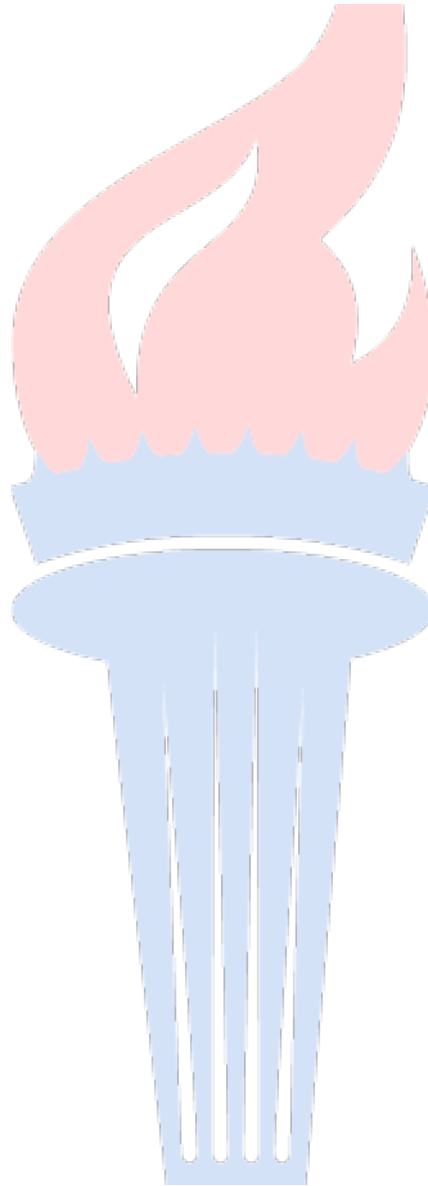
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Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
1420 Donelson Pike, Suite B7
Nashville, TN 37217

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.05

Certificate Number



ANAB Approval

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**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

1420 Donelson Pike, Suite B7
Nashville, TN 37217
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.05**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
Balances ¹	Up to 20 g	0.66 mg	Class F1 Weights to NIST Handbook 44
	(20 to 200) g	0.77 mg	
	200g to 1 kg	2 mg	
	(1 to 2) kg	12 mg	
	(2 to 5) kg	0.064 g	
	(5 to 10) kg	0.23 g	
Scales ¹	(0 to 10) lb	0.0013 lb	Class F1 and F Weights to NIST Handbook 44
	(10 to 20) lb	0.0024 lb	
	(20 to 50) lb	0.0059 lb	
	(50 to 100) lb	0.012 lb	
	(100 to 200) lb	0.024 lb	
	(200 to 500) lb	0.059 lb	
	(500 to 1 000) lb	0.23 lb	
	(1 000 to 2 000) lb	0.58 lb	
	(2 000 to 5 000) lb	1.2 lb	
	(5 000 to 10 000)	2.3 lb	
	(10 000 to 20 000) lb	5.8 lb	
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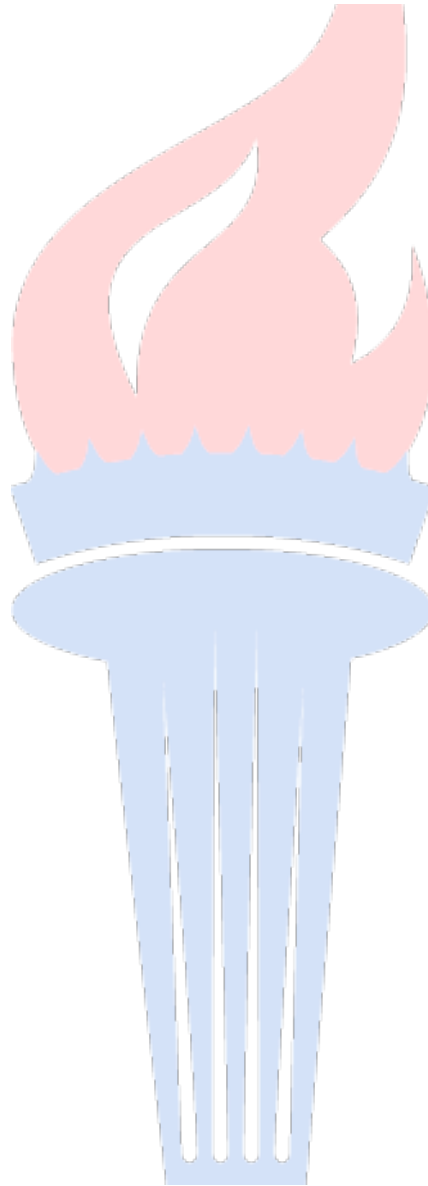
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Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
595 Pearl Park Plaza
Jackson, MS 39208

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.06

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

595 Pearl Park Plaza
Jackson, MS 39208
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.06**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
Balances ¹	Up to 20 g	0.66 mg	Class F1 Weights to NIST Handbook 44
	(20 to 200) g	0.77 mg	
	200g to 1 kg	2 mg	
	(1 to 2) kg	12 mg	
	(2 to 5) kg	0.064 g	
	(5 to 10) kg	0.23 g	
Scales ¹	(0 to 10) lb	0.0013 lb	Class F1 and F Weights to NIST Handbook 44
	(10 to 20) lb	0.0024 lb	
	(20 to 50) lb	0.0059 lb	
	(50 to 100) lb	0.012 lb	
	(100 to 200) lb	0.024 lb	
	(200 to 500) lb	0.059 lb	
	(500 to 1 000) lb	0.23 lb	
	(1 000 to 2 000) lb	0.58 lb	
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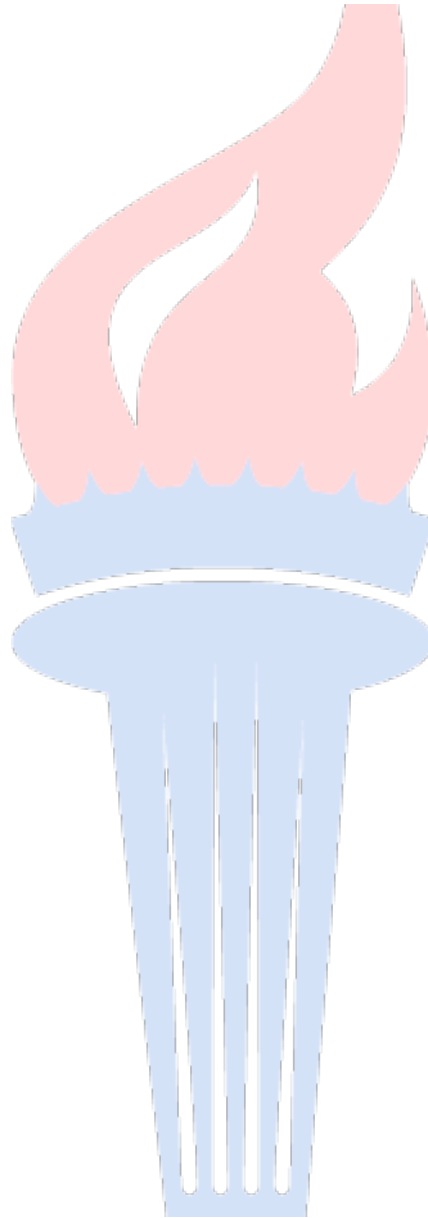
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Notes:

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2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1756.06.



Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
6215-120 Rangeline Road
Theodore, AL 36582

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION

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AC-1756.07

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

6215-120 Rangeline Road
Theodore, AL 36582
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.07**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
Balances ¹	Up to 20 g	0.66 mg	Class 1 Weights to NIST Handbook 44
	(20 to 200) g	0.77 mg	
	200g to 1 kg	2 mg	
	(1 to 2) kg	12 mg	
	(2 to 5) kg	0.064 g	
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Scales ¹	(0 to 10) lb	0.0013 lb	Class 1 and F Weights to NIST Handbook 44
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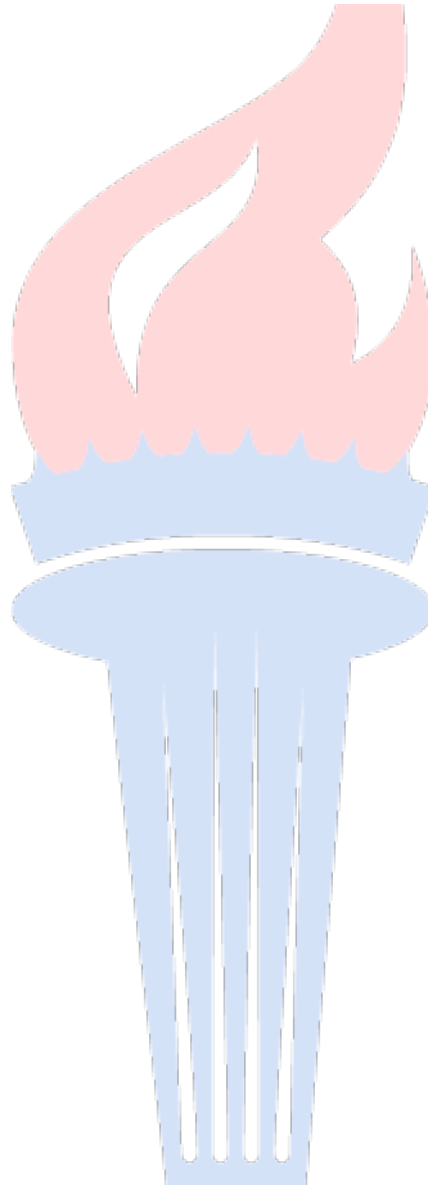
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Notes:

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2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1756.07.



Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
4393 West 96th Street
Indianapolis, IN 46268

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.08

Certificate Number


ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

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Indianapolis, IN 46268
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.08**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
Balances ¹	Up to 20 g	0.66 mg	Class F1 Weights to NIST Handbook 44
	(20 to 200) g	0.77 mg	
	200g to 1 kg	2 mg	
	(1 to 2) kg	12 mg	
	(2 to 5) kg	0.064 g	
	(5 to 10) kg	0.23 g	
Scales ¹	(0 to 10) lb	0.0013 lb	Class F1 and F Weights to NIST Handbook 44
	(10 to 20) lb	0.0024 lb	
	(20 to 50) lb	0.0059 lb	
	(50 to 100) lb	0.012 lb	
	(100 to 200) lb	0.024 lb	
	(200 to 500) lb	0.059 lb	
	(500 to 1 000) lb	0.23 lb	
	(1 000 to 2 000) lb	0.58 lb	
	(2 000 to 5 000) lb	1.2 lb	
	(5 000 to 10 000)	2.3 lb	
	(10 000 to 20 000) lb	5.8 lb	
	(20 000 to 50 000) lb	12 lb	
	(50 000 to 100 000) lb	23 lb	
	(100 000 to 200 000) lb	23 lb	
	(200 000 to 300 000) lb	58 lb	
(300 000 to 400 000) lb	58 lb		

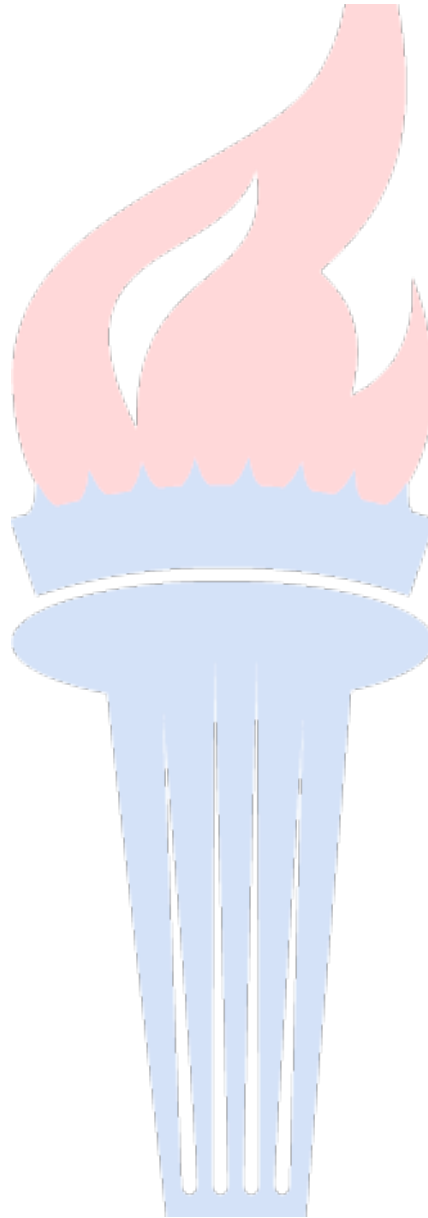
Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement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

Notes:

1. Only 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. AC-1756.08.



Vice President





CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

System Scale Corporation
34624 LA-16
Baton Rouge, LA 70706

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

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002)

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

AC-1756.09

Certificate Number



ANAB Approval

Certificate Valid Through: 02/01/2021
Version No. 002 Issued: 01/17/2019



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
AND ANSI/NCSL Z540-1-1994 (R2002)**

System Scale Corporation

34624 LA-16
Baton Rouge, LA 70706
Sean Rainey 501-562-2900
srainey@system-scale.com

CALIBRATION

Valid to: **February 1, 2021**

Certificate Number: **AC-1756.09**

Mass and Mass Related

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty (\pm)]	Reference Standard or Equipment
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Vice President

