



ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SiteCal, Inc.

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CALIBRATION

Valid to: May 4, 2018

Certificate Number: AC - 1452

I. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Pressure Gages ³	(-15 to 0) psig Up to 7 500 psig	0.03 % of full scale	Pressure Indicator and Modules	SC005 & SC013
Laboratory Balance / Scale ³	1 mg to 5 g (0.001 mg) Up to 62 g (0.01 mg) Up to 300 g (0.01 mg) Up to 1 000 g (0.1 mg) Up to 6 000 g (0.01 g) Up to 15 000 g (0.01g) Up to 35 000 g (0.01 g)	0.040 mg 0.241 mg 0.899 mg 2.91 mg 20.4 mg 44.4 mg 101 mg	Class 1 Weights	SC017
Industrial Scale ³	Up to 100 kg (0.01 kg) Up to 250 kg (0.1 kg)	16.4 g 120 g	Class F Weights	SC017
Pipettes	(0.2 to 100) µL (100 to 1 000) µL 1 000 µL to 10 mL	0.034 µL 0.34 µL 1.41 µL	Laboratory Balance	SC149
CO ₂ Measurement ³	1 % 5 % 10 %	0.3 % 0.3 % 0.4 %	GD444 CO2 Analyzer	SC001
CO ₂ Analyzer	1 % 5 % 10 %	0.3 % 0.3 % 0.4 %	Certified gases	SC026
RPM Measurement ³	6 to 8 300 RPM 8 300 to 19 000 RPM	2.2 RPM 2.9 RPM	Shimpo Tachometer	SC002 & SC035



II. Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(\pm)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Micrometers ³	Up to 1 in	74 μ in	Gage Blocks	SC008
Calipers ³	Up to 12 in	820 μ in	Gage Blocks	SC007

III. Thermodynamic

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(\pm)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Temperature – Measure ³	(-196 to 300) °C	0.04 °C	Hart 1502A	SC071
Temperature-measure Thermocouples ³ Type J Type K Type T	(-196 to 400) °C (-196 to 400) °C (-196 to 400) °C	0.29 °C 0.28 °C 0.15 °C	HP 3457A	SC095
Humidity Device Calibration	5 to 95% RH	0.7% RH	Dew Point Hygrometer	SC161
Humidity Measurement ³	0 to 90% 90 to 100%	1.9% RH 2.7% RH	Vaisala RH Meter	SC021, SC024 & SC046

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$
2. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field than what is reported on the accredited scope.
3. These parameters are available for field calibrations.
4. This scope is formatted as part of a single document including the Certificate of Accreditation No. AC-1452


 Vice President