

ANSI-ASQ National Accreditation Board/ACLASS

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Electronic & Mechanical

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CALIBRATION

Valid to: September 5, 2013 Certificate Number: AC-1242

I. Thermodynamic

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Uniformity Survey	(0 to 2 400) °F	4.56 °F	Yokogawa MV-2000 Multipoint Recorder	E&M 064 Manufacturers Specifications
Process Controllers	(-200 to 800) °F	0.7 °F	Fluke 725Ex Process Calibrator with RTD Pt 385 (100 Ω)	E&M 059 Manufacturers Specifications
Process Controllers	(1 112 to 1 472) °F (1 472 to 1 832) °F (1 832 to 3 272) °F	2.12 °F 1.71 °F 1.71 °F	Fluke 741B Process Calibrator with Type B Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-328 to 0) °F (0 to 2 192) °F	1.19 °F 1.10 °F	Fluke 741B Process Calibrator with Type J Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-328 to 0) °F (0 to 2 498) °F	1.24 °F 1.11 °F	Fluke 741B Process Calibrator with Type K Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-328 to 0) °F (0 to 2 498) °F	1.11 °F 1.11 °F	Fluke 741B Process Calibrator with Type N Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-4 to 0) °F (0 to 932) °F (932 to 3 182) °F	2.53 °F 2.32 °F 2.12 °F	Fluke 741B Process Calibrator with Type R Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-4 to 0) °F (0 to 932) °F (932 to 3 182) °F	2.53 °F 2.32 °F 2.12 °F	Fluke 741B Process Calibrator with Type S Thermocouple	E&M 059 Manufacturers Specifications
Process Controllers	(-328 to 0) °F (0 to 752) °F	1.31 °F 1.19 °F	Fluke 741B Process Calibrator with Type T Thermocouple	E&M 059 Manufacturers Specifications
Thermocouples Types J, K, N Types R, S	(-40 to 2 192) °F (-25 to 2 192) °F	0.79 °F + 0.05 °F/ °F 0.79 °F + 0.05 °F/ °F	Fluke 51 Series II Dry Wells	E&M 061 Manufacturers Specifications

Version 003 Issued: 09/20/2011





II. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Pressure	Up to 300 psi	0.35 psi	Druck DPI 705	E&M 064 Manufacturers Specifications
Scales / Balances	Up to 220 g Up to 2 kg	23 mg 140 mg	Class 6 Weights Class 4 Weights	E&M 060 Manufacturers Specifications
Vacuum	(0 to 30) in Hg	0.038 in Hg	Druck DPI 705	E&M 048 Manufacturers Specifications

III. Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Micrometers	Up to 12 in	(24 + 49L) μin	Gage Blocks	E&M 053 Manufacturers Specifications
Calipers	Up to 12 in	(580 + 43L) μin	Gage Blocks	E&M 050 Manufacturers Specifications

Notes:

- 1. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
- 2. This laboratory offers on-site calibration service.
- 3. The uncertainty term (L) represents Length in inches.
- 4. This scope is part of and must be included with the Certificate of Accreditation No. AC-1242.

Was Breiter

Vice President



