

Certificate of Calibration

Report Number RTD57627

Manufacturer	Model	Serial Number	Accuracy	Calibration Date	Expiration Date
Chicago Stainless Equipment, Inc.	RTD-3/4U-E1-CG-MTR	13071205	+/- 0.15°C	8/14/2013	8/14/2014
Chicago Stainless Equipment, Inc.	RTD-3/4U-E1-CG-MTR	13071206	+/- 0.15°C	8/14/2013	8/14/2014
Chicago Stainless Equipment, Inc.	RTD-3/4U-E1-CG-MTR	13071207	+/- 0.15°C	8/14/2013	8/14/2014

All instrument calibrations are verified for accuracy before they are shipped. The recommended calibration interval for these instruments is 12 months from the date of verification. Your particular quality assurance requirements may supersede this recommendation.

Test Results: In Tolerance

Definitions:	Temperature	Measured temperature of test during data collection.
	Reference Reading	True value according to our reference standards.
	Indicated Reading	Displayed reading from test unit.
	Condition	Pass or Fail.
	Difference	Indicated reading minus reference reading.
	Relative Difference	(Difference / reference reading) x 100
	Allowable Tolerance	± according to manufacturer's specifications.
	Water column	Referenced at 20° C and 1 atmosphere.
	Test Accuracy Ratio	At least 3:1 unless otherwise stated.

Laboratory ambient conditions throughout this calibration were: Temperature: 73 to 80° F

Reference Standards used in this calibration are traceable to the National Institute of Standards and Technology of the United States, through the following report numbers:

Manufacturer	Model	Serial Number	Range	Due Date	Reference Uncertainty
Hart Scientific	9102 HDRC	6A133	-10°C to 122°C	11-Feb-14	±0.5°C (-10°C to 100°C) ±1.0°C (100° C to 122°C)
Hart Scientific	7103	A77053	-30°C to 125°C	10-Dec-13	±0.25° (Span)
GE Kaye RTD	M2801	50575	-195°C to 420°C	10-Apr-14	+/-0.025°C

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Laboratory Representative



Quality Representative