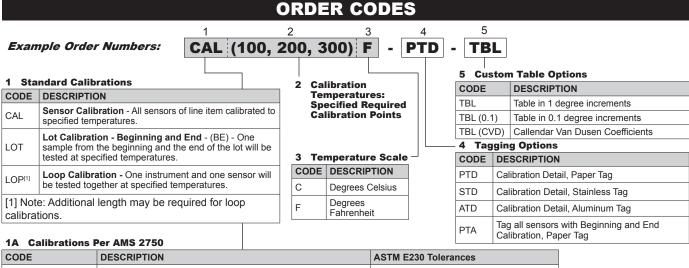


Calibration Ordering Information

Our NVLAP Lab Code 200502-0 (National Voluntary Laboratory Accreditation Program) Accredited Metrology Laboratory provides comparison temperature calibrations from -196 °C to 1450 °C [-321 °F to 2642 °F] on the International Temperature Scale of 1990 (ITS-90) for temperature sensors and instruments.

Pyromation's laboratory managerial staff and technical team have documented education, training, technical knowledge and experience to precisely perform their assigned functions. The laboratory's test environment is constantly monitored and controlled to maintain all required conditions, while access is strictly defined and controlled

Our Laboratory equipment includes fluidized baths and tube furnaces, standard platinum resistance thermometers, and type "B" and "S" thermocouples. All standards and calibrations are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values of natural physical constants, or by the ratio of self calibration. Our reports are complete and include "as found" and "as left" data when appropriate. Note: Our quality system meets or exceeds the requirements for NIST Handbook 150:2006, ISO 9001:2000, ISO 10012-1:1992(E), ANSI/NCSL Z540-1-1994, and MIL-STD-45662A.



IA Calibrations	rei Ailio 2750	<u> </u>
CODE	DESCRIPTION	ASTM E230 Tolerances
CAL-AMS-TUS	Temperature Uniformity Survey Calibration - All sensors of line item calibrated to specified temperatures.	± 2.2 °C [± 4 °F] or ± 0.75%
CAL-AMS-SAT	System Accuracy Test Calibration - All sensors of line item calibrated to specified temperatures.	(J, K, T, E, N) ± 1.1 °C [± 2 °F] or ± 0.4% (R,S) ± 0.6 °C [± 1 °F] or ± 0.1% (B) ± 0.6 °C [± 1 °F] or ± 0.25%
CAL-AMS-CRM	Control, Recording & Monitoring Calibration - All sensors of line item calibrated to specified temperatures.	Class 1 & 2: ± 1.1 °C [± 2 °F] or ± 0.4% Class 3 to 6: ± 2.2 °C [± 4 °F] or ± 0.75%
CAL-AMS-L	Load Calibration - All sensors of line item calibrated to specified temperatures.	± 2.2 °C [± 4 °F] or ± 0.75%

1B Lot Calibrations Per AMS 2750

CODE	DESCRIPTION	Max L Lengti		ASTM E230 Tolerances	Allowable Delta Limits ^[1]	
BEG-AMS-TUS	Temperature Uniformity Survey Lot Cal from the beginning of the lot will be tested		1000 ft	± 2.2 °C [± 4 °F] or ± 0.75%	N/A	
LOT-AMS-TUS	Temperature Uniformity Survey Lot Cal One sample from the beginning and the e specified temperatures.		5000 ft	± 2.2 °C [± 4 °F] or ± 0.75%	± 1.1 °C [± 2 °F]	
BEG-AMS-SAT	System Accuracy Test Lot Calibration - One sample from the beginning of the lot will be tested at specified temperatures.			(J, K, T, E, N) ± 1.1 °C [± 2 °F] or ± 0.4% (R,S) ± 0.6 °C [± 1 °F] or ± 0.1% (B) ± 0.6 °C [± 1 °F] or ± 0.25%	N/A	
LOT-AMS-SAT	System Accuracy Test Lot Calibration - One sample from the beginning and the end of the lot will be tested at specified temperatures.			(J, K, T, E, N) ± 1.1 °C [± 2 °F] or ± 0.4% (R,S) ± 0.6 °C [± 1 °F] or ± 0.1% (B) ± 0.6 °C [± 1 °F] or ± 0.25%	± 1.1 °C [± 2 °F]	
BEG-AMS-CRM	Control, Recording & Monitoring Lot Calibration - One sample from the beginning of the lot will be tested at specified temperatures.			Class 1 & 2: ± 1.1 °C [± 2 °F] or ± 0.4% Class 3 to 6: ± 2.2 °C [± 4 °F] or ± 0.75%	N/A	
LOT-AMS-CRM	Control, Recording & Monitoring Lot C beginning and the end of the lot will be te		5000 ft	Class 1 & 2: ± 1.1 °C [± 2 °F] or ± 0.4% Class 3 to 6: ± 2.2 °C [± 4 °F] or ± 0.75%	± 1.1 °C [± 2 °F]	
BEG-AMS-L	Load Lot Calibration - One sample from tested at specified temperatures.	n the beginning of the lot will be	1000 ft	± 2.2 °C [± 4 °F] or ± 0.75%	N/A	
LOT-AMS-L	Load Lot Calibration - One sample from lot will be tested at specified temperature		5000 ft	± 2.2 °C [± 4 °F] or ± 0.75%	± 1.1 °C [± 2 °F]	
[1] Only applies	s to lengths greater than 1000 ft				•	

Minimum Sensor Length Requirements for Temperature Calibrations

-196 °C	-75 °C	(-40 to 0) °C	(0 to 100) °C	(40 to 215) °C	(200 to 500) °C	(425 to 1204) °C	(800 to 1450) °C
[-321 °F]	[-103 °F]	[-40 to 32] °F	[32 to 212] °F	[104 to 420] °F	[392 to 932] °F	[800 to 2200] °F	[1472 to 2642] °F
12 Inch	12 Inch	6 Inch	6 Inch	6 Inch	18 Inch	18 Inch	30 Inch

