

Model:	300C10A1E1A070ST303/WE05/CR10R11R13/MT02		
Serial Number:	993808		
PO Number:	87360		
Probe ID:	TE592		
Description:	Platinum Resistance Thermometer		
Calibration Procedure Numbers:	SOPC3 Rev G		
Calibration Method:	Ice Point Reference	Calibration Range:	0 °C
Customer:		Calibration Date:	02/28/2019
		As-Found Condition:	NEW
		As-Left Condition:	CALIBRATED

This resistance temperature detector (RTD) was calibrated at 0°C using a DC bridge at a current of 1mA or a DMM as listed below. An ice point bath was used to provide a reference temperature source of 0°C on the International temperature scale of 1990 (ITS-90) and is traceable to the National Institute of Standards and Technology.

The combined standard uncertainty of this calibration includes all known sources present at the time of calibration. The uncertainty is reported at the calibration temperature only, the uncertainties at other temperatures can not be computed from this value. The combined standard uncertainty is multiplied by a coverage factor of 2 to give an expanded uncertainty, which defines the interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 1993 ISO Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application.

Calibration Results		
Temperature (deg C)	Resistance (ohms)	Uncertainty (mK)
0.000	99.9098	± 25 mk

Comments and Limitations:

The temperature calibration system used by Burns Engineering complies with the requirements of ANSI/NCSL Z540-1-1994, Part 1, and ISO/IEC 17025:2005. This calibration report applies only to the item calibrated. This report shall not be used to claim certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.


Environmental conditions:

The ambient conditions of the laboratory are controlled to 21 ± 4 degrees C and 80% maximum relative humidity.

The following measuring and test equipment were used in this calibration:

Item	Model	Serial Number	Recall Date
Bridge	528	09-P084	04/24/2019
Standard Resistor	5685A	269778	05/02/2019

Calibration performed and Approved by:



Metrology Technician: Terry Walsh

Date of Issue: 02/28/2019