

Calibration Report:

Heitronics Pyrometer (Model KT 11.85)

Summary

Calibration date : January 2, 2002

Next calibration due : January 2, 2003

Serial Number : 909

Function or Range	Nominal Value or Cal Range	As Received	Outgoing	Tolerance
Current °C	0°C = 4.16mA	4.39mA	4.20mA	+/-1.45°C = +/-0.145mA
	30°C = 7.71mA	7.90mA	7.67mA	+/-1°C = +/-0.13mA
	50°C = 10.65mA	10.83mA	10.66mA	+/-1.3°C = +/-0.21mA
	75°C = 14.98mA	15.15mA	14.96mA	+/-1.67°C = +/-0.31mA
	100°C = 20.00mA	20.22mA	20.05mA	+/-2.05°C = +/-0.44mA

The manufacturer's specifications of Pyrometer (S/N: 909) have been confirmed by comparison to standards which are regularly calibrated using accepted values of natural physical constants, ratio type self-calibrating techniques or comparison to standards which are traceable to NIST.

The ambient temperature and relative humidity were 24 Degrees C and 40% RH respectively.

The following page has more information regarding Wintronics, Inc. calibration procedures and reference standards.

The last page of this report has the current values above converted to voltage.

NOTE: The calibration documents on the next two pages erred on the serial number. It should be written as 909 and not 606.

WINTRONICS, INC.
MILLINGTON, N.J.
CERTIFICATE OF CALIBRATION

Mfg: Heitronics

PO#:4400050386

Model: KT11.85

Serial: 606

ID#:

Description: Infrared Thermometer

The manufacturer's specifications of the above instrument have been confirmed by comparison to standards which are regularly calibrated using accepted values of natural physical constants, ratio type self-calibrating techniques or comparison to standards which are traceable to NIST. Wintronics' calibration procedures comply with ANSI/NCSL Z540-1 & MIL-STD-45662A. Wintronics' Quality program is certified to ISO-9002.

REFERENCE STANDARDS

Manufacturer: Hart; Hart; Thermometrics; Fluke; Guildline

Model: 9210; 2563; ES225; 732A; 9330/1ohm

Serial: 94005; 62007; 235; 3935017; 52170

Date

Certified: 4/24/01;7/31/2001;4/24/01;10/24/2001;1/7/2002

NIST

Report No.: 941335; 1000123879; TPW; 1679609; 1726599

Ambient Temp./Humidity: 24 Deg.C./ 40%RH

Date

Certified: 1/02/2002

Job #: 39256

Date Due: 1/02/2003



Certified By

Wintronics Calibration Report

Wintronics, Inc., 50 Division Ave., Millington, NJ 07946 (908) 647-0144

Job: 39256

Company: SAIC

Mfg: HEITRONICS

Model: KT11.85

Date: 1/2/2002

S/N: 606

Equipment ID:

Tech: PCW

Function or Range	Nominal Value or Cal Range	As Received	Outgoing	Tolerance
Current °C	0°C = 4.16mA	4.39mA	4.20mA	±1.45°C = ±0.145mA
	30°C = 7.71mA	7.90mA	7.67mA	±1°C = ±0.13mA
	50°C = 10.65mA	10.83mA	10.66mA	±1.3°C = ±0.21mA
	75°C = 14.98mA	15.15mA	14.96mA	±1.67°C = ±0.31mA
	100°C = 20.00 mA	20.22mA	20.05mA	±2.05°C = ±0.44mA
Voltage °C	0°C = 0.208V	0.2195V	0.21V	±1.45°C = ±.00725V
	30°C = 0.3855V	0.395V	0.3835V	±1°C = ±.0065V
	50°C = 0.5325V	0.5415V	0.533V	±1.3°C = ±.0105V
	75°C = 0.749V	0.7575V	0.748V	±1.67°C = ±.0155V
	100°C = 1.0V	1.011V	1.0025V	±2.05°C = ±.022V
COPY Original Data On File At Wintronics, Inc. 908-647-0144				

Additional Comments: KT11.85 ranged for -60 to +100°C = 0-20mA non-linear
 Unit adjusted and rechecked

Unit Received: _____ In Tolerance, Out of Tolerance, _____ Inoperative