



Certificate of Calibration

Model: CR6

Serial Number: 2113

Temperature Option: Standard Temperature Tested

Test Panel Location: 12

CSI Calibration Number: 150821112

Calibration Procedures: TST25734A R-1 TST25734C R-1 PRC33A R22

Instrument Calibration Condition

Received Disposition: N/A

Returned Disposition: In Tolerance

Recommended Calibration Schedule

If the customer has not requested a calibration interval, a non-mandatory recommended interval is provided. Based on past experience and assumed normal usage, it is recommended that this instrument be calibrated in accordance with the interval stated below to insure sustained accuracy and reliable performance.

Calibration Date: 21-Aug-15

Recommended Interval: 3 years of service

Report of Calibration Standards Used

Make/Model	Serial Number	Cal. Due Date	Trace Number
Krohn Hite 523	AF50071	08-Apr-16	AF50071
CSI Oscillator	05/27 06	12-Dec-15	05/27 06

Calibration Procedures

Voltage Excitation	Analog Input Ranges	Pulse Counters	Control Ports
Current Excitation	System Power	Period Averaging	Vibrating Wire

CSI certifies the above instrument meets or exceeds published specifications and has been calibrated using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology, an accepted value of a natural physical constant or a ratio calibration technique. The collective measurement uncertainty of the calibration process exceeds a 4:1 accuracy ratio. Policies and procedures at this facility comply with ISO-9001.

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Instrument Data Report

Analog Input Accuracy

S/N: 2113

Datalogger Option: Standard Temperature Tested

Range (mV)	Input (mV)	*Tolerance (mV)	Differential		Temp. (°C)
			Before (mV)	After (mV)	
<u>+5000</u>	5000	<u>+2.0</u>	N/A	4999.907	23.3
<u>+5000</u>	-5000	<u>+2.0</u>	N/A	-4999.906	23.3
<u>+1000</u>	1000	<u>+0.4</u>	N/A	999.9918	23.3
<u>+200</u>	200	<u>+0.08</u>	N/A	199.9945	23.3
<u>+200</u>	-200	<u>+0.08</u>	N/A	-199.9946	23.3
<u>+5000</u>	5000	<u>+3.0</u>	N/A	4999.833	-40
<u>+5000</u>	5000	<u>+3.0</u>	N/A	4999.753	70
<u>+5000</u>	5000	<u>+4.0</u>	N/A	N/A	-55
<u>+5000</u>	5000	<u>+4.0</u>	N/A	N/A	85

*Tolerance values are specified accuracy not including offset. Offset voltages are not included because an offset removal procedure is used to account for calibrator offset. Refer to CSI Process Control Document PRC7A.

Quiescent System Power

Maximum (mA)	As Received (mA)	As Returned (mA)	Temp. (°C)
0.80	N/A	<0.80	23.3

Real-Time Clock

Tolerance (min/year)	As Returned(min/year)	Temp. (°C)
<u>± 3 minutes</u>	Within Tolerance	-40 to +70

Laboratory Environment

Temperature (°C)	Relative Humidity (%)
23.3	40.81


 Calibration Technician

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