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No. of issue: 8116

Certificate of Conformance and Calibration Statement

Date of issue: JAN. 16, 2008

PXR series Temperature Comtolller Model : PXG4.5.9

We certify that the above controller fully meet the published specifications applicable to the pproduct.

We further certify that the instrumentation has been calibrated by means of temperature, eelectrical, and resistance standards traceable to the National institute for standards and Technology or equivalent and that the calibration was accomplished using generally accepted procedures.

Input	Scale range	Tolerance	Calibration equipment used
1 Thermocouple input	J 0 to 1000 K 0 to 1200 R 0 to 1600 B 0 to 1800 T -200 to 400 E -200 to 800 S 0 to 1600 N 0 to 1300 PL-2 0 to 1300	+/-0.3%FS+/-1 digit+/-1°C except: B: 0 to 400°C +/-5%FS+/-1 digit+/-1°C R: 0 to 500°C +/-1%FS+/-1 digit+/-1°C T: -200 to 0°C +/-0.5%FS+/-1 digit+/-1°C Ambeient temperature 23°C+/-5°C	Programmable DC Voltage/ Current Generator Maker:Yokogawa Model:7651 Calibration years:2005-06 Digital Multi Meter Maker:Yokogawa Model:7562 Caribration years:2005-06
2 Resistance bulb input (Pt100)	-200 to 850	+/- 0.3% FS+/- 1 digit	Resistance box Maker:Alpha Electronics Model:ADR-1202G Calibration years:2005-06 Digital Multi Meter Maker:Yokogawa Model:7562 Calibration years:2005-06
3 Voltage input Current input	0 to 5VDC 0 to 10VDC 1 to 5VDC 2 to 10VDC 0 to 100mVDC 0 to 20mADC 4 to 20mADC input DC current to 1 to 5VDC range via external resistor of 250ohm	+/-0.3%FS+/-1 digit	Programmable DC Voltage/ Current Generator Maker:Yokogawa Model:7651 Calibration years:2005-06
Test conditions		Ambient temperature 23°C+/- 5°C Humidity 65°C+/-10%RH	

Date: Feb. 14, 2006	Approved by : <u>N. Togashi</u> Noriyoshi Togashi General Manager Quality Assurance Dept.
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	Input	Scale range	Tolerance	Calibration equipment used
1	Thermocouple input	J 0 to 800 K 0 to 1200 R 0 to 1600 B 0 to 1800 T -150 to 400 E -150 to 800 S 0 to 1600 N 0 to 1300 PL-2 0 to 1300	+/-0.5%FS+/-1 digit+/-1°C except: B: 0 to 400°C +/-5%FS+/-1 digit+/-1°C R: 0 to 500°C +/-1%FS+/-1 digit+/-1°C Ambeient temperature 23°C+/-5°C	Programmable DC Voltage/ Current Generator Maker:Yokogawa Model:7651 Calibration years:2005-06 Digital Multi Meter Maker:Yokogawa Model:7555 Caribration years:2005-06
2	Resistance bulb input (Pt100)	-150 to 850	+/- 0.5% FS+/- 1 digit	Resistance box Maker:Alpha Electronics Model:ADR-3204G Calibration years:2005-06 Digital Multi Meter Maker:Yokogawa Model:7555 Calibration years:2005-06
3	Voltage input Current input	1 to 5VDC 4 to 20mADC input DC current to 1 to 5VDC range via external resistor of 250ohm	+/-0.5%FS± 1 digit	Programmable DC Voltage/ Current Generator Maker:Yokogawa Model:7651 Calibration years:2005-06

Test conditions Ambient temperature 23°C+/- 5°C
 Humidity 65°C+/-10%RH

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