

Certificate of Conformance and Calibration Statement

No. of issue: 2343

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PAPERLESS RECORDER Model : PHL

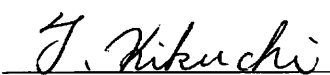
We certify that the above recorders fully meet the published specifications applicable to the product.

We further certify that the instrumentation has been calibrated by means of temperature, electrical, 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 types		Reference range	Digital indication accuracy	Calibration equipment used	
Thermocouple	B	400 to 1760°C	±(0.15% +1 digit)	Digital Multi Meter Maker: Yokogawa Model: 7555-01 AC withstanding Voltage And Insulation Resistance Tester Maker: Hioki Model: 3153 Programmable DC Voltage/ Current Generator Maker: Yokogawa Model: 7651-01	
	R	0 to 1760°C			
	S	0 to 1760°C	±(0.3% +1 digit)		
	K	-200 to 1370°C	for the ranges shown below		
	E	-200 to 800 °C	Thermocouple B: 400 to 600°C		
	J	-200 to 1100°C	Thermocouple R and S: 0 to 600°C		
	T	-200 to 400 °C	Thermocouple K, E, J, T, L and U -200 to -100°C		
	N	0 to 1300°C			
	W	0 to 1760°C			
	L	-200 to 900 °C			
U	-200 to 400 °C				
PN	0 to 1300°C	Error of reference contact compensation ±0.5°C (K, E, J, T, N, L, U, PN) ±1°C (R, S, B, W)			
DC Voltage	50mV	0 to 50mV	±(0.15% +1 digit)		
	500mV	0 to 500mV			
	1-5V	1 to 5V			
	0-5V	0 to 5V			
Resistance bulb	JPt100	-200 to 600°C	±(0.15% +1 digit)		
	Pt100	-200 to 600°C			
	Pt50	-200 to 600°C			
	Ni100	-60 to 180°C	±(0.5% +1 digit)		
	Cu50	-50 to 200°C			
Test conditions	Ambient temperature		23°C ± 5°C		
	Humidity		10 to 65% RH		

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Approved by :



Takaaki Kikuchi
Manager
Quality Assurance Dept.