

Certificate of Conformance and Calibration Statement

No. of issue: 2124

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FCR series microjet recorder -E Model : PHE

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		Scale range	Tolerance	Calibration equipment used
Thermocouple	B	400 to 1760 °C	<u>I .Thermocouple</u> ① Recording range span 8mV or more ± (0.3% of recording range ± 1digit) ② Recording range span 4 to 8mV ± (1.0% of recording range ± 1digit) Excluding reference junction compensation error <u>II .Resistance bulb</u> ① Recording range span 36Ω or more ± (0.3% of recording range ± 1digit) ② Recording range span 18 to 36Ω ± (1.0% of recording range ± 1digit) <u>III .DC Voltage</u> ① Recording range span 8%FS or more ± (0.3% of recording range ± 1digit) ② Recording range span 4 to 8%FS ± (1.0% of recording range ± 1digit) Reference junction compensation accuracy ±0.5°C (K,E,J,T,N,L,U,PN) ±1°C (R,S,B,W) Recording: ±0.2% of measuring range	Digital Multi Meter Maker: Yokogawa Model: 7551-01 DC Voltage/ Current Generator Maker: Yokogawa Model: 7651-01 Resistance box Maker: SIMAZU Model: RD50LA
	R	0 to 1760 °C		
	S	0 to 1760 °C		
	K	-200 to 1370 °C		
	E	-200 to 800 °C		
	J	-200 to 1100 °C		
	T	-200 to 400 °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			
Resistance bulb	JPT100 PT100	-200 to 600 °C		
DC Voltage	50mV	-50 to 50mV		
	500mV	-500 to 500mV		
	5V	-5 to 5V		
	50V	-50 to 50V		
Test conditions		Ambient temperature	23°C ± 5°C	
		Humidity	10 to 65% RH	

Date : 23-Jan-2008	Approved by : <u>T. Kikuchi</u> Takaaki Kikuchi Manager Quality Assurance Dept.
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