Name of Accreditation Program	JCSS Accreditation Program
Accreditation No.	JCSS0083
Date of Initial Accreditation	2002-06-25
Latest Date of Issue	2014-08-28
Name and Address of Accredited Organization	Calibration Laboratory, Sukegawa Electric Co., Ltd. 3333-23 Kamitezuna, Takahagi-shi, Ibaraki 318-0004, Japan JCN 6050001023279
Inquiry Point	Calibration Laboratory Tel: +81-293-22-0389 FAX: +81-293-22-0383
Accreditation Standards	ISO/IEC 17025:2005 (Calibration)
Accreditation Scope	As attached

*JCN : Japan Corporate Number

General Field of Calibration：Temperature
Date of Initial Accreditation of the Field：2002-06-25
Permanent Laboratory/On-site Calibration：Permanent Laboratory

Type of Service			Calibration Scope	CMC (Level of Confidence Approximately 95 %)	
Contact Type Thermometer	Fixed point apparatus		Triple point of water	2.5 mK	
			Freezing point of Tin	5.6 mK	
			Freezing point of Zinc	7.0 mK	
	Resistance thermometer (Fixed point calibration)			$W(T_{90})$ (*1)	$R(T_{90})$ (*2)
			Triple point of water	―	3 mK
			Freezing point of Tin	7.8 mK	―
			Freezing point of Zinc	10.1 mK	―
	Resistance thermometer (Comparative calibration)		From -40 °C up to 35 °C	6 mK	―
			More than 35 °C up to 200 °C	9 mK	―
			More than 200 °C up to 420 °C	13 mK	―
	Thermocouple (Fixed point calibration)	R	Freezing point of Tin	0.21 K	
			Freezing point of Zinc	0.30 K	
		S	Freezing point of Tin	0.21 K	
			Freezing point of Zinc	0.20 K	
		B	Freezing point of Tin	0.48 K	
			Freezing point of Zinc	0.30 K	
		K,N,E,J,T	Freezing point of Tin	0.24 K	
			Freezing point of Zinc	0.46 K	
	Thermocouples (Comparative calibration)	R	From -40 °C up to 420 °C (*3)	0.2 K	
		T		0.1 K	
		K, E, J		0.2 K	
		R,S,B	From 200 °C up to 1100 °C (*4)	0.6 K	
		K,E,J		0.7 K	
		N		0.6 K	
	Thermometer with indicator (Comparative calibration)	Resistance thermometer	From -40 °C up to 200 °C	0.018 K	
			More than 200 °C up to 420 °C	0.020 K	
		Thermocouple	From -40 °C up to 420 °C(*3)	0.3 K	
			From 200 °C up to 1100 °C(*5)	0.8 K	

(*1) Temperature converted from the ratio of the resistance $R(T_{90})$ to $R(273.16K)$, $W(T_{90})$
(*2) Temperature converted from resistance $R(T_{90})$
(*3) Calibration using working standard of platinum resistance thermometer
(*4) Calibration using standard of thermocouple
(*5) Calibration using working standard of thermocouple