

Name of Accreditation Program	JCSS Accreditation Program
Accreditation No.	JCSS0025
Date of Initial Accreditation	1994-03-01
Latest Date of Issue	2018-03-02
Name and Address of Accredited Organization	Thermometer Calibration Laboratory, Isehara Plant, Tanaka Kikinzoku Kogyo K. K. 26 Suzukawa, Isehara-shi, Kanagawa 259-1146, Japan JCN 6010001127950
Inquiry Point	Thermometer Calibration Laboratory Tel: +81-463-94-5811 FAX: +81-463-94-3114
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 : 1994-03-01

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 Mercury	2.0 mK				
		Triple point of water	1.0 mK				
		Melting point of Gallium	1.5 mK				
		Freezing point of Indium	2.5 mK				
		Freezing point of Tin	2.5 mK				
		Freezing point of Zinc	3.0 mK				
	Resistance thermometer (Fixed point calibration)	(25 Ω)	Triple point of Mercury	$W(T_{90})(*1)$ 2.0 mK	$R(T_{90})(*2)$ 2.5 mK		
			Triple point of water	-	1.5 mK		
			Melting point of Gallium	2.0 mK	2.5 mK		
			Freezing point of Indium	3.0 mK	3.5 mK		
			Freezing point of Tin	3.0 mK	3.5 mK		
			Freezing point of Zinc	4.0 mK	4.5 mK		
		(100 Ω)	Triple point of Mercury	2.0 mK	3.0 mK		
			Triple point of water	-	1.5 mK		
			Melting point of Gallium	2.0 mK	3.0 mK		
			Freezing point of Indium	3.0 mK	4.0 mK		
			Freezing point of Tin	3.0 mK	4.0 mK		
			Freezing point of Zinc	3.5 mK	4.5 mK		
			Resistance thermometer (Comparison calibration)	From -40 °C up to 160 °C		10 mK	
				More than 160 °C up to 230 °C		12 mK	
More than 230 °C up to 420 °C		25 mK					
	Resistance thermometers with 3-wires	From -40 °C up to 420 °C	50 mK				
Thermocouple (Fixed point calibration)		Triple point of Mercury	0.3 K				
		Melting point of Gallium					
		Freezing point of Indium					
		Freezing point of Tin					
		Freezing point of Zinc					
	Type R Type S	Freezing point of Aluminum	0.4 K				
		Freezing point of Silver					
		Freezing point of Gold					
		Freezing point of Copper					
Thermocouple (Comparison calibration)	Comparison with Platinum resistance thermometer	From -40 °C up to 420 °C	0.3 K				

Temperature sensors with display unit (Comparison calibration)	indicator to 1 mK	From -40 °C up to 420 °C	50 mK
	indicator to 10 mK		0.1 K
	indicator less than 0.1 K		2 dig

(*1) : Temperature converted from the ratio of the resistance $R(T_{90})$ to $R(273.16K)$, $W(T_{90})$

(*2) : Temperature converted from resistance $R(T_{90})$