Name: Yokogawa Test & Measurement (Shanghai) Co., Ltd. Calibration Laboratory

Address: Room 603, No.799, Tianshan West Road, Changning District, Shanghai, China

Registration No. CNAS L3087

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2026-09-29 Expiry Date: 2030-06-10

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SCHEDULE 5 ACCREDITED CALIBRATION AND MEASUREMENT CAPABILITY SCOPE

Note: The instruments with * represents onsite calibration can be performed.

№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
一.Thermotics							
1	*Recorder	temperature	C.S. for Temperature Indicators JJF 1664	With type T Thermocouple:-200℃～-100℃	U=0.5℃		
				With type T Thermocouple:-100℃～0℃	U=0.3℃		
				With type T Thermocouple:0℃～400℃	U=0.2℃		
				With Pt100 Thermal Resistance:-200℃～100℃	U=0.1℃		
				With Pt100 Thermal Resistance:100℃～850℃	U=0.2℃		

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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
二.Electromagnetism							
1	Standard Digital Power Meter	AC Power	Calibration Specification for Standard Digital Power Meters JJF 2226	1W～2W，（45Hz～65Hz）	U_{rel}=0.08%	Except for three-phase power measurement	
				2W～5W，（45Hz～65Hz）	U_{rel}=0.05%		
				5W～5kW，（45Hz～65Hz）	U_{rel}=0.03%		
三.Radio							
1	Digital Storage Oscilloscope	Time	C.S. of Digital Storage Oscilloscope JJF 1057	10ns～40s	U_{rel}=0.1%		
		Square wave amplitude		2mV～30V（1MΩ）（1kHz）	U_{rel}=0.6%		
		Bandwidth		50kHz～550MHz（5mV～5V）	U_{rel}=7%		
				550MHz～2.5GHz（5mV～3V）	U_{rel}=7%		
				2.5GHz～3GHz（5mV～2V）	U_{rel}=7%		
		Rise Time		0.12ns～3.5ns	U_{rel}=8%		
		DC gain		3mV～6mV	U_{rel}=3%		
				6mV～30V	U_{rel}=2%		
		Calibration signal frequency		1kHz	U=0.006Hz		
		Calibration signal amplitude		1V（1kHz）	U=0.001V		

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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
		Sampling Rate		2.5GS/s	U_{rel}=0.001%		
		Scan time factor		50ns/div～200ns/div	U_{rel}=0.012%		
				500ns/div～5 μ s/div	U_{rel}=0.001%		
2	ScopeCorder	DC Voltage	C.S. for ScopeCorders YSH-CL-E2-010	10mV～200V	U_{rel}=0.1%		
		Frequency Characteristics		-3dB～3dB，（1kHz～20MHz）	U=0.3dB		
		Frequency		1Hz～10Hz	U=0.001Hz		
				10Hz～2kHz	U=(0.002～0.1)Hz		
				2kHz～50kHz	U=(0.2～5)Hz		
				50kHz～100kHz	U=10Hz		
				100kHz～200kHz	U=20Hz		
				200kHz～500kHz	U=0.10kHz		
		Time Base		1MHz	U=3Hz		
四.Optics							
1	Fiber Optical Power Meters	Optical Power	V. R. of Fiber Optical Power Meters JJG 813	-60dBm～10dBm, (1310nm, 1550nm)	U=0.13dB		
2	*Optical Wavelength Counters in Telecommunication	Optical Wavelength	V. R. of Optical Wavelength Counters in Telecommunication JJG 963	Standard source method：1552nm	$U_{rel}=2\times10^{-7}$		
				Wavelength meter method：1270nm～1630nm	$U_{rel}=3\times10^{-7}$		

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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
		Optical Power		-30dBm～10dBm, (1550nm)	U=0.17dB		
3	Optical Spectrum Analyzers in Telecommunication	Optical Wavelength	V. R. of Optical Spectrum Analyzers in Telecommunication JJG 1035	1270nm～1630nm	U=0.010nm		
		Optical Power		-50dBm～10dBm, (1310nm、1550nm)	U=0.17dB		
		Resolution Bandwidth		0.05nm～2.0nm	U=0.010nm		
		Dynamic Range		35dB～78dB	U=1.0dB		

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