

Name: Wuxi Institute of Inspection, Testing and Certification(Wuxi Institute of Metrology and Testing/Wuxi Center of Fiber Inspection)

Address: No.504, Jincheng East Road, Xinwu District, Wuxi, Jiangsu, China

Registration No. CNAS L0260

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

Effective Date: 2024-12-10 Expiry Date: 2028-09-16

SCHEDULE 5 ACCREDITED CALIBRATION AND MEASUREMENT CAPABILITY SCOPE

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

No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
Mechanical measuring instrument							
I 、 Mechanics							
1	Working Dynamo-meter	Force	V.R.of Working Dynamometers JJG455	1cN~1kN	$U_{rel}=0.4\%$		
				(1~1000)kN	$U_{rel}=0.2\%$		
				1MN~10MN	$U_{rel}=0.2\%$		
2	Standard Dynamo-meter	Force	V.R.of Standard Dynamometer JJG144	(1~1000)kN	$U_{rel}=0.04\%\sim 0.08\%$		
				1MN~10MN	$U_{rel}=0.08\%$		
3	Force Sensors	Force	V.R.of Force Transducers JJG391	1N~1000kN			
				1MN~10MN	$U=0.08\%FS$		



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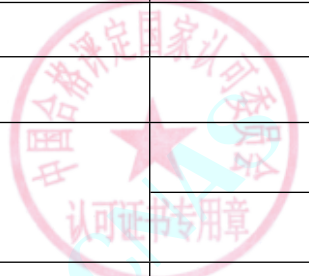
№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
4	Portable 3-Cup Anemometer	Wind Speed	V.R.of Portable 3-Cup Anemometer JJG431	(1~2)m/s	$U=0.04\text{m/s}$		
				(2~5)m/s	$U_{\text{rel}}=2.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
5	Portable 3-Cup Anemometer	Wind Speed	V.R.of Portable Induction Anemometer JJG 515	(1~2)m/s	$U=0.04\text{m/s}$		
				(2~5)m/s	$U_{\text{rel}}=2.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
6	Air Flowrate Meter	Air Flowrate	Calibration Specification for Air Flowrate Meter JJF(su)179	(100~500)m ³ /h	$U=8\text{m}^3/\text{h}$		
				(500~1000)m ³ /h	$U_{\text{rel}}=1.6\%$		
				(1000~3500)m ³ /h	$U_{\text{rel}}=1.0\%$		
7	Magnetoelectricity Wind Sensor	Wind Speed	Calibration Specification of Magnetoelectricity Wind Sensor for Wind Farm JJF1431	(2~5)m/s	$U_{\text{rel}}=2.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
8	Thermal Anemometer	wind speed	Calibration Specification for Thermo-anemoscopes JJF1939	(0.2~0.5)m/s	$U=0.007\text{m/s}$		
				(0.5~1)m/s	$U=0.012\text{m/s}$		
				(1~5)m/s	$U_{\text{rel}}=1.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
9	Fanning Mill Anemometer	wind speed	Calibration Specification for Fanning Mill Anemometers JJF1971	(1~2)m/s	$U=0.06\text{m/s}$		
				(2~5)m/s	$U=0.10\text{m/s}$		
				(5~10)m/s	$U=0.12\text{m/s}$		
				(10~30)m/s	$U=(0.12\sim0.28)\text{m/s}$		

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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (<i>k</i> =2)	Note	Effective Date
10	Ultrasonic Anemometer	wind speed	Calibration Specification for Ultrasonic Anemometers JJF1934	(0.2~0.5)m/s	U=0.02m/s		
				(0.5~2)m/s	U=0.04m/s		
				(2~5)m/s	U=0.08m/s		
				(5~50)m/s	U=(0.12~0.48)m/s		
II 、 Mass							
1	weight	Mass	V.R. of weights JJG99	M ₁₂ Grade: 50kg~100kg	U=(0.93~2.2)g		
				M ₁₂ Grade: 100kg~500kg	U=(2.2~9.3)g		
				M ₁₂ Grade: 500kg~2000kg	U=(9.3~36)g		
2	Vehicle Load Measuring Devices	mass	Calibration Specification for Vehicle Load Measuring Devices JJF(WXJL) 057-2022	(1~30) t	U _{rel} = (0.20~0.30) %	Vehicle load measuring devices used for weighing liquids cannot be calibrated	
III、 Flow							
1	Goriolis Mass Flow Meters	flow	Goriolis Mass Flow Meters JJG1038	(0.004~727)m ³	U _{rel} =0.12%		
2	Ultrasonic Flowmeters	flow	Verification Regulation of Ultrasonic Flowmeters JJG1030	(1~15000)m ³ /h Medium: Air, DN600 and below	U _{rel} =0.44%		
				(0.004~727)m ³ Medium: Water	U _{rel} =0.44%		
3	Target Flowmeter	flow	Verification Regulation of Target Flowmeter JJG 461	(1~15000)m ³ /h Medium: Air, DN600 and below	U _{rel} =0.44%		



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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
				(0.004~727)m ³ Medium: Water, DN (2~300)	$U_{rel}=0.26\%$		
4	Liquid Positive Displacement Flowmeter	flow	Verification Regulation of Liquid Positive Displacement Flowmeter JJG667	(0.004~727)m ³	$U_{rel}=0.26\%$		
5	Gas Displacement Meters	flow	Verification Regulation for Gas Displacement Meters JJG633	(0.01~6)m ³	$U_{rel}=0.18\%$	Medium:	
				(6~15000)m ³	$U_{rel}=0.56\%$	Air, DN2~DN600	
6	Vortex Precession Flowmeters	flow	Verification Regulation of Vortex Precession Flowmeters JJG1121	(0.1~15000)m ³	$U_{rel}=0.44\%$	Medium: Air, DN2~DN600	
7	Thermal Mass Gas Flowmeter	flow	Verification Regulation of Thermal Mass Gas Flowmeters JJG 1132	(0.01~6)m ³	$U_{rel}=0.14\%$	Medium:	
				(6~2000)m ³	$U_{rel}=0.44\%$	Air, DN2~	
				(6~15000)m ³	$U_{rel}=0.46\%$	DN600	
8	Differential Pressure Flowmeters	flow	V.R.of Differential Pressure Flowmeters JJG640	Medium: air, (0.01~6)m ³ /h	$U_{rel}=0.14\%$	Only the coefficient	
				Medium: air, (6~15000)m ³ /h	$U_{rel}=0.44\%$	detection method and	
				Medium: water, DN (2~300) : (0.004~727)m ³ /h	$U_{rel}=0.26\%$	the indication error detection method are done.	
9	Vortex Shedding Flowmeter	flow	V.R.of Vortex-shedding Flowmeter JJG1029	Medium: air: (0.1~15000)m ³ /h	$U_{rel}=0.44\%$		



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№	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
				Medium: water, DN (2~300) : (0.004~ 727)m ³ /h	$U_{rel}=0.12\%$		
10	Turbine Flowmeter	flow	V.R.of turbine flowmeters JJG1037	Medium: water, DN (2~300) : (0.004~ 727)m ³ /h	$U_{rel}=0.12\%$		
				Medium: air, (0.01~ 6)m ³ /h	$U_{rel}=0.14\%$		
				Medium: air, (6~ 15000)m ³ /h	$U_{rel}=0.44\%$		
11	Electromag- netism Flowmeter	flow	V.R.of electromagnetic flowmeters JJG1033	Medium: water, DN (2~300) : (0.004~ 727)m ³ /h	$U_{rel}=0.12\%$		
12	Critical Flow Venturi Nozzle	Discharge coefficient	Critical Flow Venturi Nozzle JJG620	Air medium : (0.01~ 6) m ³ /h	$U_{rel}=0.12\%$		
13	Soap film flowme-ter	flow	V.R.of Soap film f low meter JJG586	electronic soap film flow meter (0.01~3.6) m ³ /h	$U_{rel}=0.14\%$		
14	Float-Type Flowmeter	flow	Float Meter JJG257	(0.004~727) m ³ /h	$U_{rel}=0.16\%$	Medium: water, DN2~ DN300	



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