

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

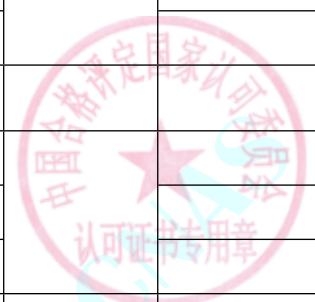
Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2023-06-19 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 (1~1000)kN	$U_{rel}=0.4\%$ $U_{rel}=0.2\%$		
2	Standard Dynamo-meter	Force	V.R.of Standard Dynamometer JJG144	(1~1000)kN	$U_{rel}=0.04\% \sim 0.08\%$		
3	*Tacho-Torque Measuring Device	Rotate	V.R.of Tacho-Torque Measuring Device JJG924	2mNm~5000Nm	$U_{rel}=0.07\%$		
		Rotate		(10~1000)r/min (1001~12000)r/min	$U=(0.08 \sim 0.14)r/min$ $U_{rel}=0.02\%$		
4	Force Sensors	Force	V.R.of Force Transducers JJG391	1N~1000kN			



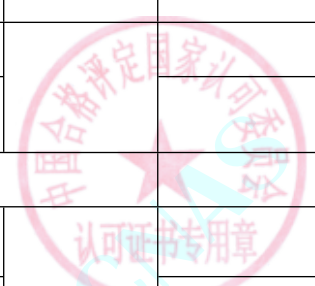
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No. CNAS L0260

第 1 页 共 4 页

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No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
5	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	$U_{\text{rel}}=0.8\%$		
6	Portable 3-Cup Anemometer	Wind Speed	V.R.of Portable Induction Anemometer JJG515	(1~2)m/s	$U=0.04\text{m/s}$		
				(2~5)m/s	$U_{\text{rel}}=2.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
7	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	$U_{\text{rel}}=1.0\%$		
8	Hot ball Shaped Anemometer	Wind Speed	V.R.of Hot Ball shaped Anemometer JJG(building)0001	(0.1~1)m/s	$U=0.016\text{m/s}$		
				(1~2)m/s	$U=0.04\text{m/s}$		
				(2~5)m/s	$U_{\text{rel}}=2.0\%$		
				(5~50)m/s	$U_{\text{rel}}=0.8\%$		
9	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	$U_{\text{rel}}=0.8\%$		
II、Mass							
1	weight	Mass	V.R. of weights JJG99	M ₁₂ Grade: 50kg~100kg	$U=(0.93\sim 2.2)\text{g}$		
				M ₁₂ Grade: 100kg~500kg	$U=(2.2\sim 9.3)\text{g}$		

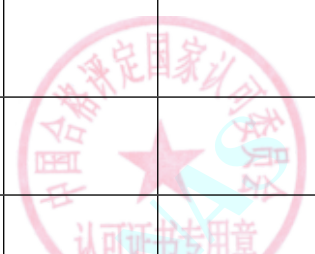


No. CNAS L0260

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No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
				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 (Liquid)	flow	Verification Regulation of Ultrasonic Flowmeters JJG1030	(0.004~727)m ³	U _{rel} =0.44%		
3	Target Flowmeter	flow	Verification Regulation of Target Flowmeter JJG 461	(0.004~727)m ³	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	(0.1~2000)m ³	U _{rel} =0.56%		
6	Vortex Precession Flowmeters	flow	Verification Regulation of Vortex Precession Flowmeters JJG1121	(0.1~2000)m ³	U _{rel} =0.44%		
7	Thermal Mass Gas Flowmeter	flow	Thermal Mass Gas Flowmeters JJG1132	(0.1~2000)m ³	U _{rel} =0.44%		
8	Differential Pressure Flowmeters	flow	V.R.of Differential Pressure Flowmeters JJG640	Medium: air, DN (50~200) : (0.1~2000)m ³ /h	U _{rel} =0.44%		



No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty (k=2)	Note	Effective Date
				Medium: water, DN (2~300) : (0.004~ 727)m ³ /h	$U_{rel}=0.26\%$		
9	Vortex Shedding Flowmeter	flow	V.R.of Vortex-shedding Flowmeter JJG1029	Medium: air, DN (50~200) : (0.1~ 2000)m ³ /h	$U_{rel}=0.44\%$		
				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, DN (50~200) : (0.1~ 2000)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	$U_{rel}=0.12\%$		



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