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Address: No.3-1, Lane 1300, Xiechun Road, Jiading District, Shanghai, China
Registration No. CNAS L0128
Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS
Effective Date: 2024-09-20 Expiry Date: 2030-10-11

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
二、Mechanics							
1	Differential Pressure Flowmeter	flow	Verification Regulation of Differential Pressure Flowmeter JJG 640	(1.7~530)m³/h (DN15~DN400, water)	$U_{rel}=0.12\%$ (mass method)		
				(5~1800)m³/h (DN50~DN1200, water)	$U_{rel}=0.21\%$ (standard meter method)		
				(0.5~3780) m³/h (DN15~DN300,Air)	$U_{rel}=0.35\%$		
2	Goriolis Mass Flow Meter	flow	Verification Regulation of Goriolis Mass Flow Meter JJG 1038	(1.7~530)m³/h DN15~DN400	$U_{rel}=0.11\%$	Medium water only	
3	Electromagnetic Flowmeter	flow	Verification Regulation of Electromagnetic Flowmeter JJG 1033	(1.7~530)m³/h DN15~DN400;	$U_{rel}=0.12\%$ (mass method)		



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No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
				(5~1800) m ³ /h DN50~DN1200	$U_{rel}=0.20\%$ (standard meter method)		
4	Float Meter	flow	Verification Regulation of Float Meter JJG 257	(5~200) m ³ /h (DN50~DN300, Water)	$U=0.25\%FS$ (Standard meter method)		
				(0.5~1000) m ³ /h (DN15~DN80, Air)	$U=0.35\%FS$		
5	Vortex-shedding Flowmeter	flow	Verification Regulation of Vortex-shedding Flowmeter JJG 1029	(1.7~530) m ³ /h (DN15~DN400, Water)	$U_{rel}=0.13\%$ (Standard mass method)		
				(5~1800) m ³ /h (DN50~DN1200, Water)	$U_{rel}=0.21\%$ (standard meter method)		
				(0.5~3780) m ³ /h (DN15~DN300, Air)	$U_{rel}=0.35\%$		
6	Liquid Positive Displacement Flowmeter	flow	Verification Regulation of Liquid Positive Displacement Flowmeter JJG 667	(1.7~530) m ³ /h (DN15~DN400)	$U_{rel}=0.11\%$ (Mass method)	Medium water only	
				(5~1800) m ³ /h DN50~DN1200	$U_{rel}=0.20\%$ (standard meter method)		
7	Ultrasonic Flowmeter	flow	Verification Regulation of Ultrasonic Flowmeter JJG 1030	(1.7~530) m ³ /h (DN15~DN400, Water)	$U_{rel}=0.12\%$ (mass method)		
				(5~1800) m ³ /h (DN50~DN1200, Water)	$U_{rel}=0.21\%$ (standard meter method)		
				(0.5~3780) m ³ /h (DN15~DN300, Air)	$U_{rel}=0.35\%$		
8	Cold Potable Water Meters	flow	Verification Regulation of Cold Potable Water Meters JJG 162	(5~1800) m ³ /h DN50~DN1200	$U_{rel}=0.25\%$ (Standard meter method)		
9	Turbine Flowmeter	flow	Verification Regulation of Turbine Flowmeter JJG 1037	(1.7~530) m ³ /h (DN15~DN400, Water)	$U_{rel}=0.15\%$		
				(0.5~3780) m ³ /h (DN15~DN300, Air)	$U_{rel}=0.35\%$		



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No	Instrument	Measurand	Calibration Method	Range	Expanded Uncertainty ($k=2$)	Note	Effective Date
10	Displacement Gas Meters	Indication error	Verification Regulation of Displacement Gas Meters JJG 633	(0.5~3780) m ³ /h (DN15~DN300, Air)	$U_{rel}=0.35\%$	Accredited only for Cumulative flow method	
11	Thermal Mass Gas Flowmeters	Indication error	Verification Regulation of Thermal Mass Gas Flowmeters JJG 1132	(0.5~3780) m ³ /h (DN15~DN300, Air)	$U_{rel}=0.45\%$		



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