

| calibration items | working standard | calibration method | measurand level or range | | | | measurement conditions /independent variable | smallest uncertainty | |
|--|---|--|--------------------------|----------------|---------------|----------------|---|----------------------|-------|
| | brand /model | document name /no. | minimum value | units | maximum value | units | explanation | value | units |
| KH2002 Environment (Paddle type) Flowmeter, Electromagnetic Flowmeter, Vortex Flowmeter, Ultrasonic Flowmeter, Paddle Wheel Flowmeter, Positive Displacement Flowmeter, Propeller Water Meter, Turbine Flowmeter, Electronic Flowmeter, Mechanical water meter | (1) 0.2 grade Electromagnetic Flowmeter/YOKOGAWA /AXF200G | In-house method: Large pipe flowmeter calibration procedure (Document No.: LAB-C101) Small pipe flowmeter calibration procedure (Document No.: LAB-C102) | 2.5 | m ³ | 30 | m ³ | Using Standard Meter (1) @ (41 to 420) m ³ /h | 0.58 | % |
| | (2) 0.2 grade Electromagnetic Flowmeter/YOKOGAWA /AXF100G | | 1.5 | m ³ | 10 | m ³ | Using Standard Meter (2) @ (12.5 to 125) m ³ /h | 0.52 | % |
| | (3) 0.2 grade Electromagnetic Flowmeter/YOKOGAWA /AXF050G | | 0.3 | m ³ | 2 | m ³ | Using Standard Meter (3) @ (4 to 31.5) m ³ /h | 0.48 | % |
| | (4) 0.2 grade Electromagnetic Flowmeter/YOKOGAWA /AXF025G | | 0.1 | m ³ | 0.6 | m ³ | Using Standard Meter (4) @ (0.63 to 7.88) m ³ /h | 0.54 | % |
| Approval Signatory: HSU, Yao-Chia; HUANG, Chia-Hung; LAI, Yu-Hsuan; SU, David | | | | | | | | | |

Note : Smallest uncertainty represents an expanded uncertainty using a coverage factor approximately 95 % level of confidence.
(Null Below)

