

Measurement Unlimited by The Imagination.

**Battery-powered Clamp-on Type
Ultrasonic Flowmeter for Liquid**

UC-1



**intelligent
DIGITAL**

Features

1. No power supply required

UC-1 can be operated up to 10 years by only built-in battery.

2. No tools required

No mounting tools or grease are required.

The hand-tight band allows installation without using any special tools even screwdriver.

3. No pressure loss

No pressure loss due to the clamp-on type flowmeter as set up outside both of metal and non-metal pipe.

4. Easy Set-up

UC-1 can cover a wide range of pipe sizes by easy setting changes.

5. Non-contacting Flow measurement

Clamp-on system realizes to measure without wetted.

Specifications

Measurement	Method	Ultrasonic Time Transit Differential (1path)
	Diameter Range	DN25mm – DN100mm
	Accuracy	± 3.0% R.D. (10-100% FS) / ± 0.3% F.S. (0.3-10% FS)
Operation	Velocity range	0.03 – 10m/s
	Measuring Interval	1 sec
	Repeatability	+/- 1.0%
Output		Non-voltage contact (Option)
Storage temperature		-20°C ~ +60°C
Operating temperature		-20°C ~ +85°C (with temperature derating)
Water Ingress protection		IP65
Power Source		Manganese Dioxide Lithium Primary Battery
Battery Life		10years (@ 25C deg)
LCD indication (240 x 320)		Instantaneous Flow rate (L/min, m ³ /h, m ³ /day, L/sec, L/min)
		Totalizing (L, m ³)
		Status (Amplitude gain, Alert etc.)
Mass		Approx 460g

Design and specifications are subject to change without prior notice, and without any obligation on the part of the manufacturer.



CAUTION

Before operating this equipment, you should first thoroughly read the operator's manual.



TOKYO KEIKI INC.

www.tokyoikeiki.jp/e/products/measurement/

Measurement Systems Company

Head Office

2-16-46, Minami-Kamata, Ohta-ku, Tokyo 144-8551 JAPAN TEL. +81-3-3737-8664 FAX. +81-3-3737-8665

September 2025 Cat.No.1571-3-E-0.5-H