Reliability Creativity Service	Product S	pecifications		Ver. 5	1/2
	Ultrasonic Flow Meter for Fuel Gas (Internal Battery Type)		Model	UX [Nominal diameter] / 0B / [Flow direction]	
1. Specifications					
■ Nominal d	· · · · · · · · · · · · · · · · · · ·	X15-0BT-L/R) X25-0BT-L/R)			
■ Flow direc	tion 🗆 Left to ri	ght(L), □ Right to left (R)			
Flow-rate ra (Accuracy g	ange 0.12 to 6 m ³ / juaranteed range)	/h (Actual flow)			
Accuracy	± 2%RD (0.6 to ± 0.5%FS (0.12		6RD		
Low flow cu	utoff In case the measu instantaneous flow	urement flow-rate is 0.024 n w-rate.	nໍ/h or less, () m [*] /h is displayed for	
Response-	ability Update interval: 2 Smoothing by mo	seconds wing average method (Initia	l setting valu	ie: 4 times)	
Display	Accumulated flo Sub display: The	e following is switched and s ow volume (m³).Trip accumu following is switched and se low-rate (m³/h).Set pressure	lated flow vo	blume (m ³) the "right button".	(°C)
Number of	digits displayed Main o	display / value: Flow volume m³			
		Accumulated flow volume Trip accumulated flow volume		0 digits (00000000.00 m³) 9 digits (0000000.00 m³)	
	Sub display	•		, , ,	
		w-rate value: Five digits m³/ 000.00 m³/h 0000.0 m³/h 00000 m³/h	(less thai (1000 m ³	n 1000 m³/h) /h or more and less than 1 ^յ /h or more)	0000 m³/h)
	Temperature Pressure	: 3 digits (00.0°C) : 5 digits (000.00 kPa)			

"■" are selectable

Pulse output Open drain output 1 channel

Pulse unit : 1000 L/P (Initial setting value) (Can be changed by button operation) (can be changed to 1, 10, 100, 1000 and 10000 L/P)

Maximum load	: 26.4 VDC [.] 50 mA				
Duty	: 20 to 80%				
Saturated voltage when ON : 1.5 V or less					
Current when OFF	: 50 μA or less				
Maximum frequency	: 10 Hz				

Alarm output Open drain output 1 channel Battery voltage decrease alarm or flow-rate upper and lower limit alarm (Either one is selected by button operation)

Aichi tokei denki co., Itd.

.ML	Product Specifications		Ver. 5		2/2			
Reliability Creativity Service	Ultrasonic Flow Meter for Fuel Gas (Internal Battery Type)		Model	UX [Nominal diameter] / 0B / [Flow direction]				
Alarm output Battery voltage decrease alarm When six years have passed since a battery is installed, an alarm signal is output battery replacement period. Flow-rate upper and lower limit alarm output When the instantaneous flow-rate becomes higher or lower than the set flow-rate, alarm signal is output. (The alarm output upper and lower limit flow volume and alarm judgment value hysteresis width can be set by button operation.)								
Measurable fluid Working fluid temperature		City gas (13A), butane (butane 70%, propane 30%), Propane (propane 98%, butane 2%), nitrogen -10 to + 60°C						
Working pre	ssure	0 to 100 kPa (Gauge pressure)						
Working ambie	Working ambient temperature -10 to + 60°C 90%RH or less (There must be no condensation)							
Storage ambie	ent temperature			,				
Power supply		Internal lithium battery Battery life: 5 years (At environment temperature of 20°C)						
Flow direction	n	The right to left or left to right to the display portion can be selected. It must be determined at the time of order placement and not able to be changed by a customer. (The direction indicated by the arrow is the forward flow)						
Installation position		Horizontal or vertical (Cannot be installed with the position that the display portion faces downward or the cable introduction portion faces upward)						
Pressure dro	р	200 Pa or less (City gas 13A, standard atmospheric pressure + 2.5 kPa, at maximum flow rate)						
Protection st	ructure	IP 64 (JIS C0920: dust-proof, splash-proof type) which can be installed outdoors						
Mass		1.8 kg						
Material		 Measurement portion Engineering plastic (Such as PPS), aluminum alloy Outer casing Aluminum alloy 						
		Display part caseAluminum alloy						
		*O symbol indicates the gas contacting parts.						
Standard working period		 10 years (At ambient temperature of 20°C and ambient humidity of 65%RH) * 10 years is not the warranty period. 						
Accessories	8	Sunshade cover						
Others		CE marking, UKCA marking, RoHS I	Directive cor	mpliant				

2. Precautions in handling

2-1. Installation environment

- (1) Although the high weather-proof electronic display is adopted, in case of installation at a place subjected to direct sunlight, provide a sunshade.
- (2) Do not install the flow meter at a place with much electromagnetic noise, in corrosive atmosphere, or with high humidity liable to cause dew condensation.
- (3) This product is designed for outdoor installation, but avoid areas where there is a risk of water submergence and water always splashes.
- (4) The meters do not conform to ATEX (explosion-proof) directive (2014/34/EU).

2-2. Piping conditions

In case large amount of dust, etc., are contained in the fluid, install the flow meter by vertical piping.
 Even though the meter is installed indoor, it cannot be installed with the position that the display portion faces downward or the cable introduction portion faces upward.

