Reliability Creativity Service	Product Specifications			Ver. 5		1/3				
	Ultrasonic Flow Meter for Fuel Gas (External Power Supply 100 VAC Type)		Model	UX [Nominal diamete / [Flow directio	-					
1. Specifications										
Nominal di	iameter		JX15-0AC-L/R) JX25-0AC-L/R)							
■ Flow direction □ Le		□ Left to rig	Left to right(L), \Box Right to left (R)							
Flow-rate (accuracy	-	0.12 to 6 m ³ /h teed range)	(Actual flow)							
Accuracy	Accuracy Flow measurement accuracy (Actual flow) ±2%RD (0.6 to 6 m ³ /h) ±0.5%FS (0.12 to 0.6 m ³ /h) Simple NORMAL conversion accuracy ±1.5%RD									
Low flow cutoff In case the measurement flow-rate is 0.024 m/h or less, 0 m/h is instantaneous flow-rate.					less, 0 m [*] /h is displayed fo	r				
Response	ə-ability	lity Update interval: 0.5 second Smoothing by moving average method (Initial setting value: 4 times)								
Display										
Sub displa	Accumulated flow volume (m ³)·Trip accumulated flow volume (m ³) Sub display: The following is switched and selected using the "right button". Instantaneous flow-rate (m ³ /h)·Set pressure (kPa) (Gauge pressure)·Temperature (°C									
Number o	-									
	Main display Accumulated flow value: Flow volume m ³ Accumulated flow volum Trip accumulated flow v			ne	10 digits (00000000.00 m 9 digits (0000000.00 m ³	,				
		b display	Trip accumulated flow volur			/				
			ow-rate: 5 digits m ³ /h 000.00 m ³ /h 0000.0 m ³ /h 00000 m ³ /h 2 digite (00.0°C)	(1000 m ³ /	n 1000 m³/h) /h or more and less than 1 ³ /h or more)	0000 m ^{3/} h)				
		Temperature Pressure	3 digits (00.0°C) 5 digits (000.00 kPa)							
<u>"</u>	are sel	<u>ectable</u>								
Pulse outp	out Op	pen drain output	1 channel							
	P	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)								
	D	Maximum load : 26.4 VDC·50 mA Duty : 20 to 80%								
	C	Saturated voltage when ON \pm 1.5 V or less Current when OFF \pm 50 μ A or less Maximum frequency \pm 10 Hz								

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	Product Specifications Ultrasonic Flow Meter for Fuel Gas (External Power Supply 100 VAC Type)			Ver. 5		2/3
ability Creativity Service				Model UX [Nominal diameter] / [Flow direction]		
Alarm output	Open drain outpu Accumulated valu by button operation	ue upper limit alar	rm or Flow-rat	e upper and	lower limit alarm (Either o	ne is sele
	upper limit value be set by comme *The 1 h meas Flow-rate upper a When the insta signal is outpu (The alarm o	umulated flow volue, an alarm sign munication.) surement is starte and lower limit ala antaneous flow-ra t.	ume becomes al is output. (7 ed when the po arm output ate becomes h ower limit flow	The accumu ower supply nigher or low	n the set accumulated flow lated flow volume upper lin is turned on. ver than the set flow-rate, a d alarm judgment value hy	mit value o an alarm
Current output	Output method Output accuracy Load resistance	: Discharge me : ±0.1 mA for d : 400 Ω or less	lisplay value			
	Full scale flo When temperatur Output meth Output curre	current nt upper limit w-rate setting e is selected		at 22 mA) able) C, 20 mA: +(at 2 mA)	ow flow cutoff) 60°C	
Communication	Communication s Synchronization Bit configuration Bit transmission of Error control * Register and do	peed : 4800 bps method : Asy : 8 b order : Ord : CR	s, 9600 bps (A ynchronous hits, no parity, der from b1 to C led communic	Allowable ra stop bit leng b7 (Low ord ation specif		
Measurable fluid	City gas (13A), bu propane (Propan			0%),		
Working fluid tempe	rature -	10 to +60°C				
Working pressure) to 100 kPa (Ga	• • •			
Working ambient te					e no condensation)	
Storage ambient ter	•		•		e no condensation)	
Power supply Flow direction	100 VAC (85 to 1		•	•		inad at the
	time of order pla arrow is the forw	cement and not a ard flow.)	able to be cha	nged by a c	elected. It must be determ ustomer. (The direction inc	dicated by
Installation position	or the cable intro	duction portion fa	aces upward)		that the display portion fac	
Pressure drop	200 Pa or less (C	ity gas 13A, stan	dard atmosph	eric pressur	e + 2.5 kPa, at maximum	flow-rate)
Protection structure	IP 64 (JIS C0920	: dust-proof, spla	sh-proof type)	which can	pe installed outdoors	

Reliability Creativity Service	Produ	ct Specifications	Ver. 5		3/3	
	•	Ultrasonic Flow Meter for Fuel Gas (External Power Supply 100 VAC Type)		UX [Nominal diameter] / 0A / [Flow direction]		
Mass	1.7 kg	1.7 kg				
Material	 Material Measurement portion Engineering plastic (Such as PPS), aluminum alloy Outer casing Aluminum alloy Display portion casing Aluminum 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.				
Others	RoHS Dire	ctive compliant				

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

(1) 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.