

Ultrasonic Flowmeter (Xonic-100L)

General		
Installation	Pipe size from DN12 - 6,000mm	
Measuring Principle	Transit-Time, Anti-Round®	
Application	Municiple Water, Waste Water, Block Flow Monitoring, Strong Acid, Solvent, Milk, Deni-Water, Oil, Sea Water, Cool and Hot Water, Liquids contains Heavy Slurry and Air, etc	
Transducer Type	Clamp-On Ultrasonic Transducer	
Air/Slurries Contains	30% Max	
In/Output	Analog Output	Two 4-20mA output
	Relays Output	Two Relays for batch total, high/low flow alarms
	Analog Input	Two 4-20mA input
Required Straight Pipe Run	10D upstream, 5D downstream, single path 7D upstream, 3D Downstream, dual path	
Display	Color Graphic LCD Display (flowrate: 4.5digit, Total: 12digit) Flowrate, Velocity, Total (POS,NEG,NET), Input Data(AI), Delta T, Ultrasonic Signal Shape, Frequency	
Sound Speed Tracking	Automatic Sound Speed Tracking	
Time Average Set	1~600 sec	
Datalogger	32 Mbytes (more than 1,000,000 points Datalogging)	
Communication	RS-232C / RS-485	
Electronic		
Protection	NEMA 4 / IP65	
Flow Velocity	+/- 0.02 ~ 20 m/sec	
Turn Down Ratio	500:1	
Accuracy	+/- 1.0% single path (over 0.02 m/s) +/- 0.5% dual path (over 0.02 m/s)	
Power	Limit range: 85 ~ 264Vac (on the label, it is marked as standard power range AC110~220V), 50/60Hz (option. DC12 ~ 24 Vdc)	
Operation Temperature	-20 ~ 75 °C	
Transducer		
Protection	Submersible, IP68	
Operation Temperature	-40 ~ 120 °C	
Measuring range	Transducer size B, DN20-80mm	
	Transducer size C, DN50-300mm	
	Transducer size D, DN200-500mm	
	Transducer size E, DN500-3000mm	
	Transducer size F, DN2000-6000mm	
Mountings	Stainless steel track fixed by strap	
Cable	RG-62A/U, standard 10meter, max extension 200meter	