

Specification Sheet

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Electromagnetic Water Meter with Pulse Transmitter 250 – 350 mm		Model	SU250 – 350 – KM	
1. General				
This is a battery built-in type electromagnetic water meter that M. Faraday’s Electromagnetic Induction Law is applied. This meter demonstrates its wide measuring range and high durability as there is no mechanical moving part in the flow measurement tube of the meter. This meter has the external output corresponding to the remote monitoring / the remote control.				
2. Specifications				
2-1. Main Materials				
• Outer Casing Stainless Steel				
• Flow Measurement Tube Stainless Steel (Tube Liner: Epoxy Resin Powder Painting)				
• Electrode Stainless Steel				
• Register Unit Stainless Steel, Glass				
• Electronic Unit Electronic Component, PC Board				
2-2. Performance & Function				
Meter Size (mm)		250	300	350
Permanent Flow-Rate (Q ₃) (m ³ /h)		630	1000	1000
Measurement Flow-Rate Range (Ratio between Q ₃ and Q ₁)		160		
Flow-Rate Range (m ³ /h)	Within ±5% Error	3.9375 – less than 6.3	6.25 - less than 10	6.25 - less than 10
	Within ±2% Error	6.3 - 787.5	10 - 1250	10 – 1250
Measurement Starting Flow-Rate (m ³ /h)		2	2.5	3
Pressure Drop at Permanent Flow-Rate (Q ₃) (MPa)		0.02 or less	0.03	0.035
Maximum Permissible Working Pressure (MPa)		1		
Measurable Fluid	Applicable Working Fluid Temperature (°C)	+0.1 to +30		
	Fluid Conductivity (μ S/cm)	50 or more		
Ambient Temperature (°C)		– 10 to +55		
Waterproof		IP68		
Regis- tration	Integrating Flow	Max. Registration (m ³)	9999999.99	
		Smallest Scale Unit (L)	10	
	Others	Instantaneous Flow-Rate (m ³ /h), No-Water Warning, Low-Battery Alarm		
Power Supply (Built-in Main Body)		Built-In Lithium Battery Estimated Battery Life: 10 years at 30°C ambient temperature (including storage time)		
Transmitter	External Output	MX39-1		
		Open Drain Unit Pulse Signal: Black [-], White [+] Length: 10m Pulse On-Time: 5-900ms On-Resistance: 50 Ω or less Maximum Transmission Distance: 200m Maximum Load Current: 20mA Power Voltage: DC2-30V Pulse Unit: 1m ³ /P Built-In Lithium Battery Estimated Battery Life: 10 years at 30°C ambient temperature (including storage time)		
Meter Weight (including 10m cable) (kg)		47.5	68.5	98.5

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