

Specification Sheet

Electromagnetic Water Meter
250 – 350 mm

Model

SU250–350–KN

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.

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

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		
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		
Meter Weight (kg)			47	68	98

NOTE: Specifications are subject to change without notice.