

	Specifica	ation Sheet				
mpulse Electromagnetic Water Meter 50 – 200 mm		Model	SU	50-200-KN		
Electromagnetic 1	ry built-in type electr Induction Law is applie rability as there is no me	d. This met	ter demonst	rates its w	ide measurin	
<ul><li>Electrode</li><li>Register Unit</li></ul>	ent Tube ····· Stainles ···· Stainles ···· Stainles ···· Electro	ss Steel (Tube s Steel s Steel, Glass		Resin Powd	er Painting)	
Size (mm)		50	65	75	100	
Permanent Flow-Rate $(Q_3)$ $(m^3/h)$		40	63	100	160	
Measurement Flow-Rate Range (Ratio between $Q_3$ and $Q_1$ )		160				
Flow-Rate Range	Within ±5% Error	0.25 -	0.39375 -	0.625 -	1 -	
$(m^3/h)$		less than 0.4	less than 0.63	less than 1	less than 1.6	
$(m^3/h)$	Within ±2% Error	less than 0.4 0.4 - 50	less than 0.63 0.63 - 78.75	less than 1 1 - 125	less than 1.6 1.6 – 200	
$(m^3/h)$ Measurement Start $(m^3/h)$						
$(m^3/h)$ Measurement Start $(m^3/h)$ Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M	ing Flow-Rate ermanent IPa)	0.4 - 50	0.63 - 78.75	1 - 125 0.3	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss	ing Flow-Rate ermanent IPa)	0.4 - 50	0.63 - 78.75 0.23	1 - 125 0.3 r less	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss Pressure (MPa)	ing Flow-Rate ermanent (Pa) ible Working Applicable Working Fluid	0.4 - 50	0.63 - 78.75 0.23 0.02 o	1 - 125 0.3 r less	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss	ing Flow-Rate ermanent IPa) ible Working	0.4 - 50	0.63 - 78.75 0.23 0.02 o 2	1 - 125 0.3 r less	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss Pressure (MPa)	ing Flow-Rate ermanent [Pa) ible Working Applicable Working Fluid Temperature (°C) Fluid Conductivity (μ S/cm)	0.4 - 50	0.63 - 78.75 0.23 0.02 o 2 +0.1 to	1 - 125 0.3 r less o +30 more	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss Pressure (MPa) Measurable Fluid Ambient Temperati Integratin	ing Flow-Rate ermanent [Pa) ible Working Applicable Working Fluid Temperature ( $^{\circ}$ C) Fluid Conductivity ( $\mu$ S/cm) ure ( $^{\circ}$ C)	0.4 - 50	0.63 - 78.75 0.23 0.02 o 2 +0.1 to 50 or	1 - 125 0.3 r less 0 + 30 more + 55	1.6 - 200	
(m³/h)Measurement Start (m³/h)Pressure Drop at P Flow-Rate (Q3) (M Maximum Permiss Pressure (MPa)Measurable FluidMeasurable FluidAmbient Temperat FlowIntegratin Flow	ing Flow-Rate ermanent [Pa) ible Working Applicable Working Fluid Temperature ( $^{\circ}$ C) Fluid Conductivity ( $\mu$ S/cm) ure ( $^{\circ}$ C)	0.4 - 50	0.63 - 78.75 0.23 0.02 o 2 +0.1 to 50 or -10 to	1 - 125 0.3 r less 0 + 30 more + 55	1.6 - 200	
(m <sup>3</sup> /h) Measurement Start (m <sup>3</sup> /h) Pressure Drop at P Flow-Rate (Q <sub>3</sub> ) (M Maximum Permiss Pressure (MPa) Measurable Fluid Ambient Temperat	ing Flow-Rate ermanent Pa) ible Working Applicable Working Fluid Temperature (°C) Fluid Conductivity ( $\mu$ S/cm) ure (°C) g Max. Registration (m <sup>3</sup> )	0.4 - 50 0.15	0.63 - 78.75 0.23 0.02 o 2 +0.1 to 50 or -10 to 999999 1 ous Flow-Rate	1 - 125 0.3 r less o +30 more +55 9.999 e (m <sup>3</sup> /h), No-	1.6 - 200         0.45	
(m³/h)         Measurement Start (m³/h)         Pressure Drop at P Flow-Rate (Q3) (M Maximum Permisss Pressure (MPa)         Measurable Fluid         Measurable Fluid         Ambient Temperat         Regis- tration	ing Flow-Rate ermanent Pa) ible Working Applicable Working Fluid Temperature (°C) Fluid Conductivity ( $\mu$ S/cm) ure (°C) ng Max. Registration (m <sup>3</sup> ) Smallest Scale Unit (L)	0.4 - 50 0.15	0.63 - 78.75 0.23 0.02 o 2 +0.1 to 50 or -10 to 999999	$   \begin{array}{r}     1 - 125 \\     0.3 \\     r less \\     0 + 30 \\     more \\     +55 \\     9.999 \\     e (m^3/h), No-     larm   \end{array} $	1.6 - 200         0.45	



Size (mm)			125	150	200		
Permanent Flow-Rate (Q <sub>3</sub> ) $(m^3/h)$		250	400	630			
Measurement Flow-Rate Range (Ratio between $Q_3$ and $Q_1$ )		160					
Flow-Rate Range (m <sup>3</sup> /h)	ate Range	Within ±5% Error	1.5625 - less than 2.5	2.5 - less than 4	3.9375 - less than 6.3		
		Within ±2% Error	2.5 - 312.5	4 - 500	6.3 - 787.5		
Measurement Starting Flow-Rate (m <sup>3</sup> /h)		0.6	1	1.5			
Pressure Drop at Permanent Flow-Rate (Q <sub>3</sub> ) (MPa)		0.02 or less					
Maximum Permissible Working Pressure (MPa)		2		-	1		
Measurable Fluid Measurable Fluid Fluid Conductivity $(\mu S/cm)$		+0.1 to +30					
			50 or more				
Ambient Temperature ( $^{\circ}$ C)		-10 to +55					
Regis- tration	Integrating Flow	g Max. Registration (m <sup>3</sup> )	9999999.99				
		Smallest Scale Unit (L)	10				
	Others		Instantaneous Flow-Rate (m <sup>3</sup> /h), No-Water Warning, Low-Battery Alarm				
Power Supply (Built in Main Body)			Built-In Lithium Battery				
Meter Weight (kg)		8	10	15			

NOTE: Specifications are subject to change without notice.