

Name	<b>The Specification of Battery Operated Electromagnetic Flow Meter</b>			
Model	MGB12A 50~200	No.	MGB12A-567340C	1/2
		Creating	10.7.2022	

○Specification&Performance

Performance item		Diameter (mm)							
		50	65	75	100	125	150	200	
Measurement Principle		Electromagnetic detection							
Indicator	Type	LCD with back light							
	Indication	Cumulative / Instantaneous Flowrate / Pilot / Integrated value/Alarms							
	Alarm Function	Leakage / Excess Flow / Low Battery Voltage Reverse Flow / Empty							
	Min. Scale	1 L				10 L			
	Max. Total Flow	999,999.999				9,999,999.99			
	Instantaneous Flow Rate	999.9				9999			
	LCD with back light	By opening the cover (for 30 sec), maximum 60sec/day							
	Direction of the display	By rotating the cover, 180 °							
Performance	Q3/Q1:Flow rate range	200							
	Q1:Minimum Flow Rate(m3/h)	0.315	0.5	0.5	0.8	1.25	2	3.15	
	Q2:Transitional Flow Rate(m3/h)	0.504	0.8	0.8	1.28	2	3.2	5.04	
	Q3:Permanent Flow Rate(m3/h)	63	100	100	160	250	400	630	
	Q4:Overload Flow Rate(m3/h)	78.75	125	125	200	312.5	500	787.5	
	Measurement starting flow rate(m3/h)	0.1575	0.25	0.25	0.4	0.625	1	1.575	
	Permissible Error	± 5 %	$Q_1 \leq Q < Q_2$						
		± 2 %	$Q_2 \leq Q \leq Q_4$						
Q3 Pressure loss※	$\leq 0.063 \text{ MP a}$								
Operating Condition	Working Pressure Range	0.03~1 MP a							
	Fluid Temperature※	0.1~30℃							
	Fluid Electroconductivity	50~1000 μS/cm							
	Ambient Temperature※	5~55℃							
	Ambient Humidity※	0~100%RH at 40℃ Ambient Temperature							
Installation	Position	Horizontal / Vertical							
	Connection	Wafer Flanged							
Case structure	IP68 (JIS C0920) ※There is no guarantee that at all times under water for eight years.								
Standard paint color	Unpainted								

Name	<b>The Specification of Battery Operated Electromagnetic Flow Meter</b>			
Model	MGB12A 50~200	No.	MGB12A-567340C	2/2
		Creating	10.7.2022	

○Specification&Performance

Performance item		Diameter (mm)						
		50	65	75	100	125	150	200
Power supply and Battery life		Internal Lithium Battery/ Battery life 9 years						
Outline Dimension	Length(mm)	120	140	160	180	200	229	300
	Height(mm)	242	262	275	302	331	372	426
	Width(mm)	118	118	128	150	180	210	265
	Height from center(mm)	194.5	204	210.5	226.5	241.5	266.5	293
Weight(kg)		3	3.8	4.5	6.3	8.3	11.1	24.3
Japanese Type approval number		L101					L102	L1123

※The above specifications are mentioned within JIS B 8570-2.