

Name	The Specification of Battery Operated Electromagnetic Flow(Pulse) Meter										
Model	MGB12A 50~200				No.	MGB12AR-567340C	1/2				
					Creating	10.7.2022					
○Specification&Performance											
		Diameter (mm)		50	65	75	100	125	150	200	
Performance item											
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				10L			
	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	Q 3/Q 1 :Flow rate range				200						
	Q 1 :Minimum Flow Rate (m3/h)		0.315	0.5	0.5	0.8	1.25	2	3.15		
	Q 2 :Transitional Flow Rate (m3/h)		0.504	0.8	0.8	1.28	2	3.2	5.04		
	Q 3 :Permanent Flow Rate (m3/h)		63	100	100	160	250	400	630		
	Q 4 :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 ≤ Q < Q ₂							
		± 2 %		Q ₂ ≤ Q ≤ Q ₄							
	Q 3 Pressure loss※				≤ 0.063 MP a						
Operating Condition	Working Pressure Range				0.03~1 MP a						
	Fluid Temperature※				0.1~30℃						
	Fluid Electroconductivity				50~1000 μ S/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	The Specification of Battery Operated Electromagnetic Flow(Pulse) Meter			
Model	MGB12A 50~200	No.	MGB12AR-567340C	2/2
		Creating	10.7.2022	

○Specification&Performance

Performance item		Diameter (mm)						
		50	65	75	100	125	150	200
Communication	Pulse Signal output	Open Drain						
	Allowable voltage pulse output communication	2V-24V						
	Allowable current pulse output	10mA or less Internal resistance 100Ω						
	Pulse Rate	100L/P or 1000L/P					1000L/P	
	Pulse width	200msec(100L/P) or longer 500msec(1000L/P) or longer						
	Digital output	8 bits						
	Line heart	VCTF						
	Output・Communication Cable	Pulse Output[red : P (+)、green : PG (-)] Digital Output : [black : A 1、white : A 2] (Do not contact lines a black line with other。)						
Cable length		5 m or 1 5 m						
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.

Azbil Kimmon Co.,Ltd.