

Name	The Specification of Battery Operated Electromagnetic Flow Meter				
Model	MGB12A100	No.	MGB12A100-E0B	1/2	
		Creating	9.30.2014		
○Specification&Performance					
Performance item		Diameter (mm)	MGB12A 100		
Measurement Principle		Electromagnetic detection			
Indicator	Type	LCD with back light			
	Indication	Instantaneous Flowrate / Pilot / Integrated value/Alarms			
	Alarm Function	Leakage / Excess Flow / Low Battery Voltage Reverse Flow / Empty			
	Min. Scale	1 L			
	Max. Total Flow	999,999.999			
	Instantaneous Flow Rate	999.9			
	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)	0.8			
	Q2:Transitional Flow Rate(m3/h)	1.28			
	Q3:Permanent Flow Rate(m3/h)	160			
	Q4:Overload Flow Rate(m3/h)	200			
	Measurement starting flow rate(m3/h)	0.4			
	Permissible Error	± 5 %	$Q_1 \leq Q < Q_2$		
		± 2 %	$Q_2 \leq Q \leq Q_4$		
Q3 Pressure loss※	$\leq 0.063 \text{ MPa}$				
Operating Condition	Working Pressure Range	0.03~1 MPa			
	Fluid Temperature※	0.1~30℃			
	Fluid Electroconductivity	50~1000 $\mu\text{S/cm}$			
	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)			
Standard paint color		Unpainted			

Name	The Specification of Battery Operated Electromagnetic Flow Meter			
Model	MGB12A100	No.	MGB12A100-E0B	2/2
		Creating	9.30.2014	

○Specification&Performance

Performance item		Diameter (mm)	MGB12A 100
Power supply and Battery life		Internal Lithium Battery/ Battery life 9 years	
Outline Dimension	Length(mm)	180	
	Height(mm)	302	
	Width(mm)	150	
	Height from center(mm)	226.5	
Weight(kg)		6.3	
Japanese Type approval number		L101	

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

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