

Name	The Specification of Battery Operated Electromagnetic Flow(Pulse) Meter			
Model	MGB12A 50 (Pulse)	No.	MGB12A050R-E0C	1/2
		Creating	10.18.2022	

○Specification&Performance

Performance item		Diameter (mm)	MGB12A 50 (Pulse)	
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		
	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)	0.315		
	Q2:Transitional Flow Rate(m3/h)	0.504		
	Q3:Permanent Flow Rate(m3/h)	63		
	Q4:Overload Flow Rate(m3/h)	78.75		
	Measurement starting flow rate(m3/h)	0.1575		
	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 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)			
Standard paint color	Unpainted			

Name	The Specification of Battery Operated Electromagnetic Flow(Pulse) Meter			
Model	MGB12A 50 (Pulse)	No.	MGB12A050R-E0C	2/2
		Creating	10.18.2022	

○Specification&Performance

Performance item		Diameter (mm)	MGB12A 50 (Pulse)
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
	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
	Height(mm)		242
	Width(mm)		118
	Height from center(mm)		194.5
Weight(kg)			3
Japanese Type approval number			L101

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

Azbil Kimmon Co.,Ltd.