

Name	Product Specifications	Model	EKDA020-E0D	1/1
		Date	June 10 th 2016	

Model	Model EKDA 20mm electronic water meter (eco-meter)
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○ Specifications and Performance

Type and caliber		EKDA20 (Eco meter)	
Item			
Measuring principle		Tangential flow impeller type Double jet type	
Display	Type	LCD digital display	
	Display	Totalized value, instantaneous flow value, pilot, alarm	
	Alarm display contents	Leakage warning, excessive flow, low battery voltage, backflow detection	
	Min. scale	0.1 L	
	Maximum indication	9,999.9999 m ³	
	Communication cable	4-core, VCTF (0.5 mm ²), 1.5 m	
	4 core color	Black: A1, White: A2, Red: P (+), Green: PG (-) (Do not allow the black wire to come in contact with other wires)	
	See EIM8 Electronic Display Mechanism Specifications for detailed specifications.		
Performance	Q3/Q1 : Measurement range	1 0 0	
	Q1 : Fixed min. flow rate	0.04 m ³ /h	
	Q2 : Transfer flow rate	0.064 m ³ /h	
	Q3 : Maximum flow rate	4 m ³ /h	
	Q4 : Limit flow rate	5 m ³ /h	
	Tolerance	± 5%	0.04 ≤ Q < 0.064 m ³ /h
		± 2%	0.064 ≤ Q ≤ 5 m ³ /h
Q3 Pressure loss	Less than 0.063 MPa		
Conditions of use	Appropriate operating flow range	※ 0.2 ~ 1.6 m ³ /h	
	Max. allowable working pressure	1 MPa	
	Ambient operating temperature	55° C or less (according to JIS standard) Please make sure that the installation conditions are such that the ambient temp is below this level.	
	Fluid temperature range	Min. allowable operating temp. 0.1° C (according to JIS standard) Max. allowable operating temp. 30° C (according to JIS standard)	
	Mounting position	Horizontal	
External dimensions	Overall Length	190 mm	
	Overall height	126 mm	
	WIDTH	98 mm	
	Center height	35 mm	
Mounting screw	Water supply screw (parallel screw for pipe)	G 1 (33.249 Pich 11)	
	Kimmon screw	33.0 Pich 14	
Case Material		CAC804 (unpainted)	
Weight		1.7 kg	
Type Approval Number		No. L0921	

※ How to Select a Water Meter - A Commentary for Practitioners (April 2014, Japan Water Works Association)