

Name	Product Specifications	Model	EKDA040-E0D	1/1
		Date	June 10 th 2016	

Model	Model EKDA 40mm electronic water meter (eco-meter)
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○ Specifications and Performance

Type and caliber		EKDA40 (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	99,999.9999 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	100		
	Q1 : Fixed min. flow rate	0.1 m ³ /h		
	Q2 : Transfer flow rate	0.16 m ³ /h		
	Q3 : Maximum flow rate	10 m ³ /h		
	Q4 : Limit flow rate	12.5 m ³ /h		
	Tolerance	± 5%	0.1 ≤ Q < 0.16 m ³ /h	
		± 2%	0.16 ≤ Q ≤ 12.5 m ³ /h	
Q3 Pressure loss	Less than 0.063 MPa			
Conditions of use	Appropriate operating flow range	※0.5 ~ 4 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	245 mm		
	Overall height	139 mm		
	WIDTH	108 mm		
	Center height	45 mm		
Mounting screw	Water supply screw (parallel screw for pipe)	G2 (59.6 Pich 11)		
	Kimmon screw	56.0 Pich 11		
Case Material		CAC804 (unpainted)		
Weight		About 2.9 kg		
Type Approval Number		No. L1037		

※ How to Select a Water Meter - A Commentary for Practitioners (March 2010, Japan Water Works Association)