

Name	Product Specifications	Model	EKDS040-E0D	1/1
		Date	June 10 <sup>th</sup> 2016	

Model	<b>Model EKDS 40mm electronic water meter (Eco Meter)</b>
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○ Specifications and Performance

Type and caliber		EKDS40 (Eco meter)	
Item			
Measuring principle		Vertical axial-flow impeller Woltmann 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 <sup>3</sup>	
	Communication cable	4-core, VCTF (0.5 mm <sup>2</sup> ), 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	0.16 m <sup>3</sup> /h	
	Q2 : Transfer flow rate	0.256 m <sup>3</sup> /h	
	Q3 : Maximum flow rate	16 m <sup>3</sup> /h	
	Q4 : Limit flow rate	20 m <sup>3</sup> /h	
	Tolerance	± 5%	0.16 ≤ Q < 0.256 m <sup>3</sup> /h
		± 2%	0.256 ≤ Q ≤ 20 m <sup>3</sup> /h
Q3 Pressure loss	Less than 0.063 MPa		
Conditions of use	Appropriate operating flow range	※0.4 ~ 6.5 m <sup>3</sup> /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	156 mm	
	WIDTH	128 mm	
	Center height	45 mm	
Mounting screw	Water supply screw (parallel screw for pipe)	G 2 (59.6 Pich 11)	
	Kimmon screw	56.0 Pich 11	
Case Material	CAC804 (unpainted)		
Weight	About 4.2 kg		
Type Approval Number	No. L1039		

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