

Name	Product Specifications	Model	EFDT100-E0D	1/1
		Date	June 10 <sup>th</sup> 2016	

Model	<b>Model EFDT 100mm electronic water meter (Double-sided flange)</b>
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○ Specifications and Performance

Item		Type and caliber	EFDT100 (Double-sided flange)	
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	1 L		
	Maximum indication	999,999.999 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	1 m <sup>3</sup> /h		
	Q2 : Transfer flow rate	1.6 m <sup>3</sup> /h		
	Q3 : Maximum flow rate	100 m <sup>3</sup> /h		
	Q4 : Limit flow rate	125 m <sup>3</sup> /h		
	Tolerance	± 5%	1 ≤ Q < 1.6 m <sup>3</sup> /h	
		± 2%	1.6 ≤ Q ≤ 125 m <sup>3</sup> /h	
Q3 Pressure loss	Less than 0.063 MPa			
Conditions of use	Appropriate operating flow range	※ 4.0 ~ 44.0 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	350 mm		
	Overall height	309 mm		
	WIDTH	238 mm		
	Center height	120 mm		
Mounting screw	Flange	Water supply flange		
		JIS 10K flange		
Case Material	FCD450 (powder coating)			
Weight	About 30 kg			
Type Approval Number	No. L1039			

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