



FI-1000
COMPLETE PROCESS Display Unit



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		FI-1000
Display		QVGA 2.0 model: color LCD, status indicator light
Display update cycle		Approx. 10 times/second
Network support		IO-Link*1
Heat calculation function	Unit	MJ/h, kW, kBTU/h, GJ/h, MW, MBTU/h*2
	Display resolution	Instantaneous value (MJ/h): 0.01/0.1/1 (default value 0.1); Integrated value (MJ): 0.01/0.1/1 (default value 0.1)*2
	Pulse output increments (MJ)	0.02–999.99*2
Data accumulation	Accumulation period	Approx. 1 year
	Data reading	USB2.0
Power I/O connector		M12 8-pin connector (male)
I/O (switchable)	Output (Ch1/2/3/4)	NPN/PNP setting switching, open collector output 30 VDC or less, max. 100 mA/ch or less, residual voltage 2.5 V or less
	Analog output (Ch1/2)	4–20 mA/0–20 mA (switchable), load resistance 500 Ω or less
	External input (Ch2/3)	Short circuit current: 1.5 mA or less; input time: 20 ms or more
Power supply	Power voltage	20–30 VDC, ripple (P-P) 10% included, Class 2/LPS
	Current consumption	55 mA or less (display unit standalone, excluding load current)*3
Protection circuit		Protection against reverse power connection, power supply surges, output short circuits, and output surges
Environmental resistance	Enclosure rating	IP65/IP67 (IEC60529)*4
	Ambient temperature	–20°C to +50°C –4°F to +122°F (no freezing)
	Relative humidity	35–85% RH (no condensation)
	Vibration resistance	10–500 Hz; Power spectral density: 0.816 G ² /Hz; X, Y and Z directions
	Shock resistance	100 m/s ² (approx. 10 G), 16 ms pulses, 1000 times each for X, Y and Z directions
Material		Body: PPS / PET / POM; Display window: PAR
Weight		Approx. 120 g 4.23 oz

*1 Supports IO-Link specification v.1.1/COM2 (38.4 kbps). Setting files can be downloaded from the KEYENCE website (www.keyence.com). IO-Link is a trademark or registered trademark of PROFIBUS Nutzerorganisation e.V. (PNO).

*2 Available when the separately sold flow meter FD-R Series and two temperature sensors are connected.

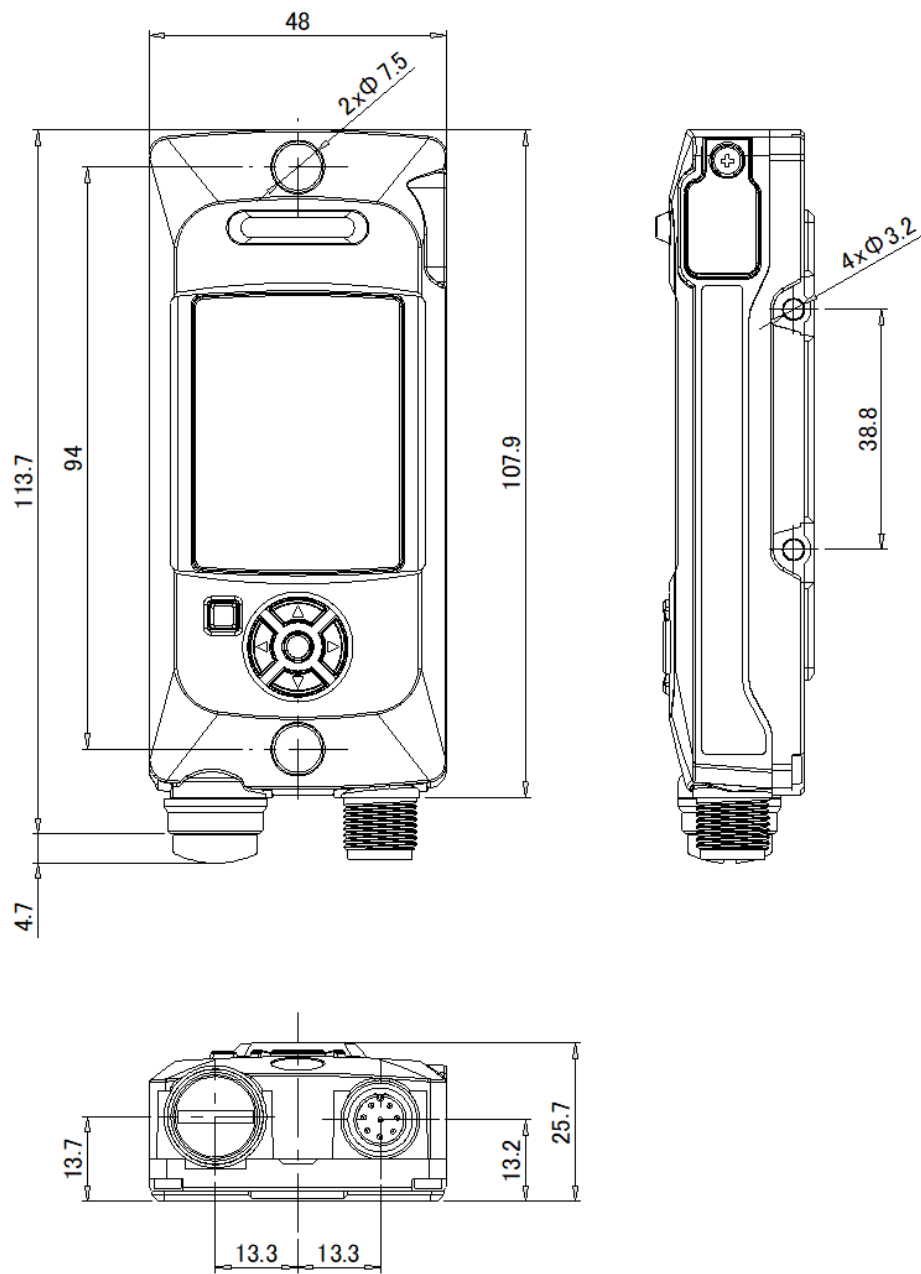
*3 455 mA or less including load. When connecting devices such as temperature sensors, please add on the current consumption of each sensor (to a maximum of 830 mA or less).

*4 When a USB connection is in use, IP65/67 compliance is impaired.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

FI-1000



FI-1000+FD-HB1

When cables are connected

