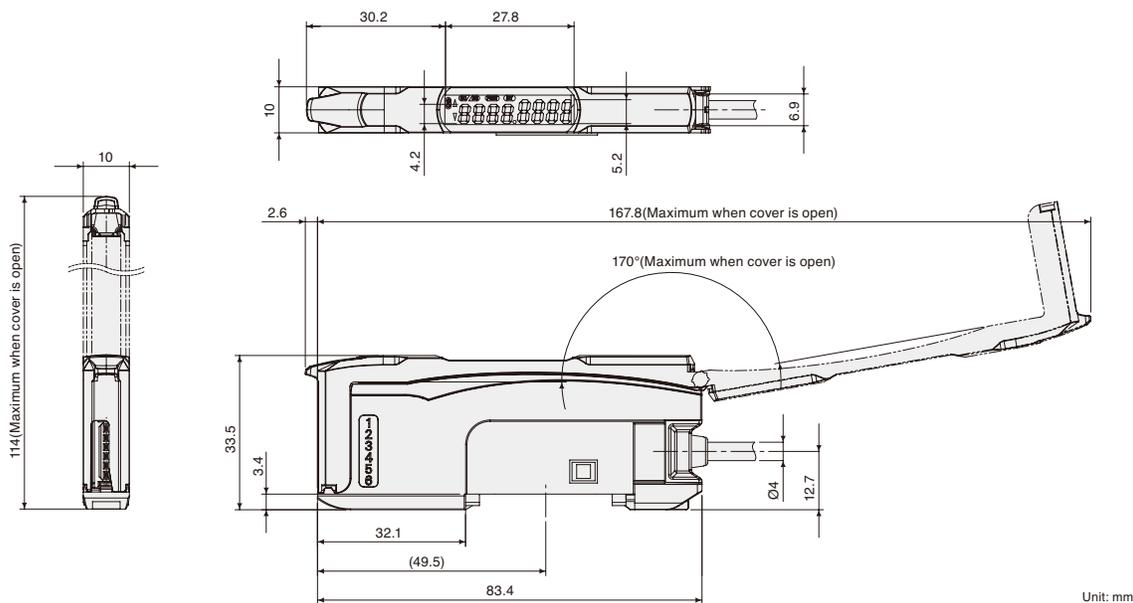


Digital Tolerance Indicator  
**MF10 Series**

Main Specifications		MF10-P1	MF10-P2
Model name		MF10-P1	MF10-P2
Type	I/O circuit	NPN output (current sink)	PNP output (current source)
I/O	Number of Go/NoGo judgment outputs	2	
	Number of external inputs <sup>*4</sup>	1	
Minimum display unit		0.1μm	
Power supply voltage		+10 to +30V DC including ripple (p-p) 10%	
Power consumption <sup>*1</sup>		Power supply voltage 24 V normal mode: 2040 mW or less (Power consumption 85 mA or less) Power-saving ECO mode: 1920 mW or less (Current consumption 80 mA or less)	
Go/NoGo judgment output <sup>*2</sup>		Load voltage: DC 30 V or less, open collector output type Load current: the total of the two outputs must be 100 mA or less ( Residual voltage and load current less than 10 mA: 1 V or less ) Load current 10 mA to 100 mA: 2 V or less Off-state current: 0.1 mA or less	
Protection circuit		Power supply reverse connection protection, output short-circuit protection and output reverse connection protection	
Number of banks		4 (Can be set 4 kinds of judgment value)	
Ambient temperature range <sup>*3</sup>		Operating: When lining up 1 or 2 digital tolerance indicators: 0°C to +55°C Storage: -10°C to +60°C (with no icing or condensation)	
Ambient humidity range		Operating and storage: 35% to 85% RH (with no condensation)	
Mass (main unit)		Approx. 75 g	
Cable length		2m	

\*1. At a power supply voltage of 10 to 30 V, Normal mode: 2250 mW or less (power supply voltage 30 V: power consumption 75 mA or less / power supply voltage 10 V: power consumption 155 mA or less), power-saving ECO mode: 2100 mW or less (power supply voltage 30 V: power consumption 70 mA or less / power supply voltage 10 V: power consumption 135 mA or less) \*2. When lining up 4 or more digital tolerance indicators, the 2 output total is 20 mA or less. \*3 When used in a row, the operating ambient temperature range is 0°C to +50°C for 3 to 10 units, 0°C to +45°C for 11 to 16 units, and 0°C to +40°C for 17 to 30 units. \*4. The input details are as follows.

	Contact input (relay or switch)	Non-contact input (transistor)	Input time
NPN Type	ON: Connection to 0 V (Outflow current: 1 mA or less) OFF: Open or short-circuited to Vcc	ON: 1.5 V or less (Outflow current: 1 mA or less) OFF: Vcc-1.5V to Vcc (Leakage current: 0.1 mA or less)	ON: 9ms or more OFF: 9ms or more
PNP Type	ON: Connection to Vcc (Sink current: 3 mA or less) OFF: Open or short-circuited to 0V	ON: Vcc-1.5V to Vcc (Sink current: 3 mA or less) OFF: 1.5V or less (Leakage current: 0.1 mA or less)	



Cable  
**CE34-**

Main Specifications						
Model Name	CE34-005	CE34-02	CE34-05	CE34-10	CE34-15	CE34-20
Cable length	0.5m	2.0m	5.0m	10m	15m	20m

