

Elevator Speedometer		EC-2100		EC-900	
Measurement range	Speed※ <sup>1</sup>	0.1 to 2,000.0 (m/min) or 1 to 6,500.0 (f/min)		0.1 to 999.8 (m/min)	
	Rotation speed	1 to 20,000 (r/min)		1 to 9,998 (r/min)	
	Distance (sold separately)※ <sup>1</sup>	0 to ±999 (mm) or 0 to ±3.280 (feet)		-	
	Note	Distance measurement up to ±5,000mm or ±9,999 feet is available. However, measurement values more than ±999 mm or ±3.280 feet is not guaranteed.		Up to approx. 1500 m/min can be detected while display is flashing. However, measurement value more than approx. 1500 m/min is not guaranteed.	
Measurement accuracy		±1 count		±1 count	
Measurement time		10 ms		100 ms	
Display		5-digit red LED x 2 (upper and lower display)		4-digit red LED x 2 (upper and lower display)	
Display update time		100 ms		100 ms	
Resolution※ <sup>1</sup>		0.1 (m/min) or 0.328 (f/min)※ <sup>2</sup> , 0.1 (r/min) (the number of averaging times:10 or more), 1(mm) or 0.001 (feet)		0.1(m/min) , 1 (r/min)	
Measurement unit※ <sup>1</sup>		m/min or f/min, r/min, mm or feet (used for distance measurement, sold separately)		m/min, r/min	
Auto power off function		A delay of three minutes after last operation automatically lets the power off.		-	
Displaying the remaining battery function		Display when the power is turned on.		-	
Data hold function		Data hold of each channel (CH1, CH2, MAX)		Data hold of each channel (CH1, CH2).	
Averaging function		Number of averaging is selectable from 1 to 200 times		-	
Memory function		Up to ten measurement results can be stored to the main unit.		-	
Output section	Analog output	Output signal	Instantaneous value after averaging processing	-	
		Voltage range	0 to F.S./0 to 1 V	-	
		Conversion method	10-bit D/A conversion	-	
		Linearity	±1% F.S.	-	
		Output update time	10 ms	-	
		Output connector	Φ2.5 pin jack	-	
	Pulse output	Output method	Transistor output (open collector)	Transistor output (open collector)	
		Voltage withstanding	14 V	14 V	
		Current	20mA or less	20 mA or less	
		Number of pulses	600 pulses/rotation	600 pulses/rotation	
		Logic	Negative logic	Negative logic	
		Pulse width	Approx. 0.5 to 1.2 μs	Approx. 0.5 to 1.2 μs	
Output connector	Φ2.5 pin jack	Φ2.5 pin jack			
Detector section	Number of generated pulses	150 pulses/rotation, slit reflection method		300 pulses/rotation, slit reflection method	
	Light source	Red LED		Red LED	
	Light receiving element	Photodiode		Phototransistor	
	Allowable load	Radial:5 kg, thrust:5 kg		Radial:5 kg, thrust:5 kg	
	Bearing life	2 x 10 <sup>7</sup> r/min・h (at the time of maximum load within the specification)		2 x 10 <sup>7</sup> r/min・h (at the time of maximum load within the specification)	
General specification	Power supply	Type AA battery x 3 pieces		Type AA battery x 3 pieces	
	Battery life	15 hours or more (continuous using at room temperature)		20 hours or more (continuous using at room temperature)	
	Current consumption	100 mA max. (power voltage 4.5 V)		100 mA max. (power voltage 4.5 V)	
	Operating temperature range	0 to 45 °C		0 to 45 °C	
	Storage Temperature range	-10 to 60 °C		-10 to 60 °C	
	Outer dimensions	60(W) x 162(L) x 38(D)mm		60(W) x 162(L) x 38(D)mm	
	Weight	Approx. 423 g (including batteries, not including circumferential ring)		Approx. 430 g (including batteries, not including circumferential ring)	
	CE marking	CE marking EN61326-12006		-	
Accessories	EC-0922 External hold signal cable (1.4 m) x 2 pieces		EC-0922 External hold signal cable (1.4 m) x 2 pieces		
	EC-0925 Carrying case x 1 piece		EC-0925 Carrying case x 1 piece		
	Hexagonal wrench (1.5mm between opposing side) x 1 piece		Hexagonal wrench (1.5mm between opposing side) x 1 piece		
	Type AA battery x 3 pieces		Type AA battery x 3 pieces		

※1: The measurement unit is selectable from mm (m/min) or feet (f/min). Please specify the unit at the time of order.

※2: Displaying to the first decimal point.

External detector		EC-0201	EC-091
Detection section	Number of generated pulses	150 pulses/rotation, slit reflection method	300 pulses/rotation, slit reflection method
	Light source	Red LED	Red LED
	Light receiving element	Photodiode	Phototransistor
	Allowable load	Radial:5 kg, thrust:5 kg	Radial:5 kg, thrust:5 kg
	Bearing life	2 x 10 <sup>7</sup> r/min · h (at the time of maximum load within the specification)	2 x 10 <sup>7</sup> r/min · h (at the time of maximum load within the specification)
General specification	Power supply	Supplied from the EC-2100 (uses the EC-0921 external detector signal cable)	Supplied from the EC-900 (uses the EC-0921 external detector signal cable)
	Operating temperature range	0 to 45 °C	0 to 45 °C
	Storage Temperature range	-10 to 60 °C	-10 to 60 °C
	Outer dimensions	60(W) x 76(L) x 38(D) mm	60(W) x 76(L) x 38(D) mm
	Weight	Approx. 214 g	Approx. 100 g
Accessories		External detector signal cable EC-0921 (5m) x 1 piece (connection for the EC-2100 and the EC-0201)	External detector signal cable EC-0921 (5m) x 1 piece (connection for the EC-900 and the EC-091)

Trigger unit	EC-0203		-
Connecting section	Connector	<ul style="list-style-type: none"> <li>● Connection to the EC-2100 elevator speedometer CH1</li> <li>● Connection cable; EC-0921(5 m) or EC-0926(1.5 m)</li> </ul>	-
	Terminal	<ul style="list-style-type: none"> <li>● Connection to an escalator</li> <li>● B contact signal</li> <li>● Push the button to be contact off.</li> </ul> ※ The cable between an escalator emergency stop device and the trigger unit: user preparation.	-
Outer dimensions	50(W) x 100(L) x 47(D) mm		-
Accessories	Mounting fixture x 2 pieces		-