

AMITTARI INSTRUMENTS

Elevator Speed Limiter Speedometer ES-9000A

Product Description

AMITTARI Elevator Speedometer is a compact and light weight handheld speedometer, designed for adjustment, maintenance, and inspection of an elevator.

Product Features

- * Memory function, for storing and reading 20 sets of measurement results. Including CH1 Value, CH2 Value, Maximum Value. Larger amount of memory can be customized.
- * Maximum hold function.
- * Averaging function, for averaging with desired number of times up to 200 times. The measurement time interval is 10ms .
- * Low battery indicator function.
- * Distance measurement function.
- * Bluetooth printer function, measurement data can be printed directly.
- * Can be connected with computer by USB Cable or Bluetooth Adapter, realizing data transport function.



Product Parameters

Measurement Section	
Method	Contact method
Range	Speed test: 0.1~2,000.0m/min
	Rotational speed test: 1~20,000r/min
	Distance test: 0~999mm
Note: Measurement is possible for up to 5,000mm. Measurement values of 999mm or larger can not be guaranteed.	
Accuracy	±1count
Time	10ms
Unit	m/min, r/min, mm
Auto power-off	Turns OFF the power in 180 seconds after last operation.
Value hold	Ch1 Value, CH2 Value, MAX Value
Averaging	Performs averaging desired number of times (1 to 200 times)
Memory function	Stores up to 20 sets of test results, larger amount of memory can be customized.

Detection Section	
Number of pulses	400 pulses/rotation, slit reflection method
Light source	Infrared LED
Receive element	Photo diode
Allowable	5kg in radial direction, 5kg in thrust direction
Bearing life	2x10 ⁷ r/min·h(max. load within specification)

Display Section	
Display unit	5-digit back light LCD(upper and lower)
Update time	100ms
Resolution	0.1(m/min: Number of averagings above 10)
	1(r/min: Number of averagings above 10)
	1(mm)

Analog Output Section	
Contents	Instantaneous value(averaging result output)
Voltage range	0 to F.S. / 0 to 1V
Conversion mode	10 bits D/A conversion
Linearity	±1% F.S.
Update time	10ms
Output connector	Φ2.5 pin jack

Pulse Output Section	
Output method	Transistor output (open collector)
Withstand voltage	14V
Number of pulses	800/rotation
Logic	Negative logic
Pulse width	Approx 0.5 to 1.2μs
Output connector	Φ2.5 pin jack

General Specifications	
Power supply	2x3.7v 14500 lithium ion battery
Operate temp.	0~45°C
Storage temp.	-10~60°C
Operate humidity	35~85%RH
Storage humidity	35~85%RH
Dimensions	211x80x36mm 8.3x3.1x1.4inch
Weight	270g (Including batteries) 9.52oz
Standard Accessories	Main Unit, Circumferential Ring, Power Adapter, 3.7v 14500 Lithium Ion Battery x 2, Screwdriver, External Hold Signal Cablex2, Instruction Manual, Carrying Case
Optional Accessories	Lengthening Rod for Rotating Contact Tip, Trigger Unit, Bluetooth Printer, USB Cable & Software, Bluetooth Adapter & Software