

# EH Counter

## SERIES 542 — Multi-function Display Unit

### FEATURES

- DIN compatible Panel-mounting type and DIN size (144 x 72mm). It can be easily incorporated into each system instrument.
- This counter can be used on a desktop by mounting it on the supplied stand leg.
- The standard RS-232C interface allows easy communication with an external PC.
- The RS Link function permits multiple EH counters (6 units maximum) to be

connected with daisy chain and data to be input/output from one channel of the terminal RS-232C interface.

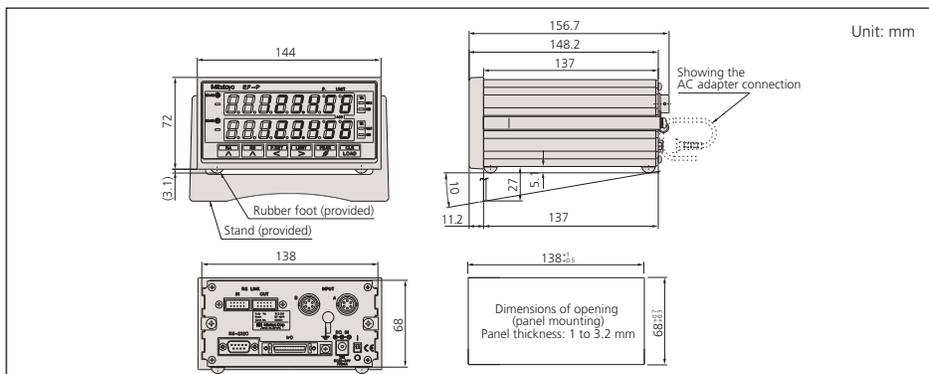
- The maximum value, minimum value, and TIR (runout) measurements are possible.
- The 2-gage input type can perform 2-axis display and make addition or subtraction calculations between 2 gages.



### SPECIFICATIONS

Model	EH-101P	EH-102P	EH-102Z	EH-102S	EH-102D
Order No.	542-075A	542-071A	542-073A	542-074A	542-072A
Applicable input	2.5MHz (Differential square-wave)			1MHz Differential sine-wave	Digimatic code SPC
Applicable gage	LGK, LGF with scale origin point mark, LGB, LGH (0.1um)		LGK with scale origin point mark, LGF 5um	LGH (0.01um)	LGD, LGS, ID
Number of gage input	1 (Single-display)		2 (Double-display)		
Resolution (Depending on the linear gage type connected)	.000005", .00005", .0005"/ 0.0001mm, 0.0005mm, 0.001mm, 0.005mm, 0.01mm			.000001"/0.01um, 0.01um	.0005" / 0.01mm
Mass	760g	800g	800g	900g	800g
Tolerance judgment display	LED display (3 step: Amber, Green, Red / 5 step: Amber, Amber flash, Green, Red flash, Red)				

### DIMENSIONS



### Function

Zerose, preset, limit setting (3 or 5-step), GO/±NG judgement, GO/±NG signal output, MAX/MIN/TIR (runout) measurement, counting direction switching, double reading, mm/inch switching, sum/difference calculation of 2 gages (542-071A, 542-073A, 542-074A, 542-072A only), output mode selection

### Output

I/O: Tolerance judgment output (3/5 stages), normal operation output RS-232C or Digimatic code (selectable): Various measurement data

### External Control

I/O: Preset, Data hold and Error clear RS-232C: Displayed value output, MAX/MIN/TIR switching, Zero set, peak value clear, preset value input, tolerance value input and error clear

### RS Link

Up to six EH counters may be connected via one RS-232C port. (daisy chain)

### Error display/output

Power-supply voltage error, overspeed error, overflow error, gage error, communication error, and tolerance setting error

### Power supply: Standard accessory

Via AC adaptor (12 - 24V DC, 700mA (max))

### Optional Accessories

- 02ADB440: I/O output connector
- 02ADF180: 10-key unit
- 936937: SPC cable (40"/1m)
- 965014: SPC cable (80"/2m)
- 02ADD930: Terminal block connecting cable
- 02ADN460: AC adapter
- 02ZAA010: Power cable

