G

EH Counter
SERIES 542 — Panel mount, Multi-function Type with RS-232C Communication Functions

- Two types are available for this model: a 1-axis display and a 2-axis display, both of which enable addition or subtraction calculations between two gages.
- Multifunctional counter equipped with zero-setting, presetting, tolerance judgment.
- RS-232C and USB are equipped as standard. Data transfer to a PC is possible. (USB is supported only by Mitutoyo **SENSORPAK**.)

- A multi-point measuring system (max. 20 points and max. 10 units) can easily be configured with the built-in RS Link networking function. Refer to "Quick Guide to Precision Measuring Instruments" on page G-18 for details of the RS link.
- Employs DIN size (144×72 mm) and mount-on-panel configuration to facilitate system integration.
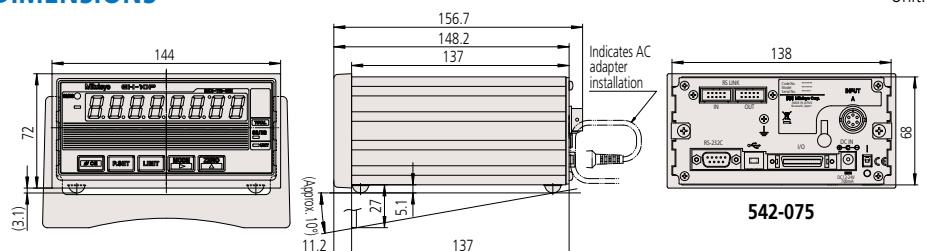
542-075 **542-071** **542-073** **542-072**

SPECIFICATIONS

Order No.		542-075*	542-071*	542-073*	542-072*
Model		**EH-101P**	**EH-102P**	**EH-102Z**	**EH-102D**
Number of axes to be displayed		1 axis	2 axes		
Origin point detection function		—	—	✔	—
Maximum input frequency		2.5 MHz (2-phase square wave)			—
Resolution ( ) indicates maximum display range		0.01 mm (±9999.99 mm)/0.0005 in (±99.9995 in) 0.005 mm (±999.995 mm)/0.00005 in (±9.99995 in) 0.001 mm (±999.999 mm)/0.00005 in (±9.99995 in) 0.0005 mm (±99.9995 mm)/0.000005 in (±0.999995 in) 0.0001 mm (±99.9999 mm)/0.000005 in (±0.999995 in) [Parameter set]			Automatic setting by gage
Tolerance judgment display		LED display (3 steps: Amber, Green, Red/5 steps: Amber, Amber flashing, Green, Red flashing, Red)			
Interface		RS-232C/USB/parameter selection via digimatic (only **DP-1VA LOGGER**, Digimatic Mini-Processor can be connected) (USB used only with **SENSORPAK**.) Selection by parameter from 3-step, 5-step, or simple BCD Total tolerance judgment output (when tolerance function is enabled) Analog output (1 V to 4 V)			
Input/output	Control output	Open-collector			
	Control input	Display BANK switching, peak mode, presetting, display hold, hold per axis: open-collector or no-voltage contact signal (with/without contact point)			
Power supply	Voltage	Supplied AC adapter, or 12 to 24 V DC			
	Consumption	8.4 W (max. 700 mA) Ensure at least 1 A is available per unit.			
Operating temperature (humidity) ranges		0 to 40 °C (RH 20 to 80%, non-condensing)			
Storage temperature (humidity) ranges		−10 to 50 °C (RH 20 to 80%, non-condensing)			
Standard Accessories		AC adapter: **357651**/ AC cable (Japan): **02ZAA000***, AC cable (USA): **02ZAA010***, AC cable (EU): **02ZAA020***, AC cable (UK): **02ZAA030***, AC cable (China): **02ZAA040***, AC cable (Korea): **02ZAA050***			
Applicable gage head		**LG100**/**LG200** A conversion plug **21HZA195** is required (The origin point detection function is disabled)		**LG100**/**LG200** A conversion plug **21HZA196** is required (The origin point detection function is disabled when connected to **LG200**)	**LGS**, **ID**
Mass		Approx. 760 g	Approx. 800 g	Approx. 800 g	Approx. 800 g

* To denote your AC power cable add the following suffixes to the order No.: A for UL/CSA, D for CEE, DC for CCC, E for BS, K for KC, C and No suffix are required for PSE.
For those models of the Order No. with Suffix "1", an AC adapter is not supplied as a standard accessory.

DIMENSIONS
Unit: mm

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