

EV Counter

SERIES 542 – For Multi-Gauge System

- Up to six gauges can be connected to one unit.
- Up to 10 EV counters can be connected to one personal computer using the RS Link function to facilitate the configuration of a multi-point measurement system comprising a maximum of 60 gauges.
- A range of output modes are available: I/O output for tolerance judgement and segment output, BCD data output and RS-232C.
- Peak-hold measurements are possible for maximum value, minimum value, runout (TIR), etc.
- Able to display the sum, average, maximum, minimum, maximum difference, etc., between gauges connected to the same unit.



542-063



542-064E

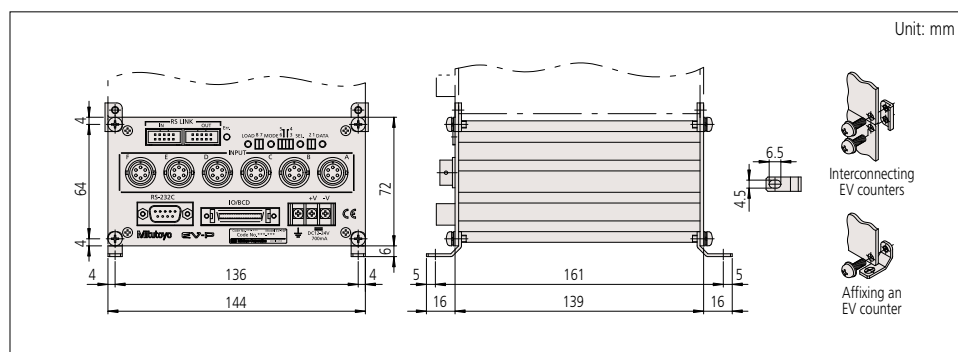
SPECIFICATIONS

Code No.	542-063	542-064E
Applicable input	Differential square wave	Digimatic code (SPC)
Applicable gauge	LGB (ex. 0.0001 mm resolution), LGF	LGS
Number of gauge inputs	6	
Resolution	0.0001**, 0.0005, 0.001, 0.005, 0.01 mm (.000005", .00005", .0005")	0.001*, 0.01 mm (.00005", .0005")
Price	£977.00	£927.00

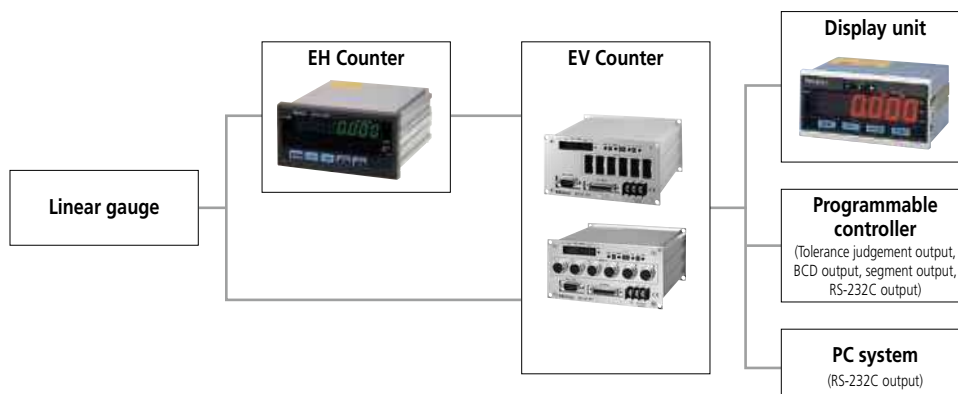
* Will not be indicated when combined with an LG gauge.

** D-EV is required when the resolution is 0.0001 mm.

DIMENSIONS



System Diagram



Functions

GO/±NG judgement, GO/±NG signal output, MAX/MIN/TIR (runout) measurement, counting direction switching, mm/inch switching, calculation of sum, average, maximum, minimum and maximum difference between specified axes, and output-mode selection

Output

I/O: Normal operation output and GO/±NG signal (three steps), measurement data (BCD code), or 21-stage segment output (selectable)

RS-232C: Various measurement data

External control

I/O: Axis designation, preset, data hold, and error clear

RS-232C: Displayed value output command, MAX/MIN/TIR switching and peak value clear, zero set, preset value input, tolerance value input, error clear, and command to output calculated value between specified axes

RS link

Up to 10 EV counters may be connected via a single RS-232C port (daisy chained). EV and EF counters can be mixed (in which case a total of six counters can be connected)

Error display/output

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

Maximum input frequency

1.25MHz (differential square wave): max counting speed: 5MHz

Power supply

Terminal block (M3 screws), 12 - 24V DC, 700mA (max.)