

EB Counter

SERIES 542 – Panel Mount Display Unit with Multiple Limit Setting

- Able to produce 3-step/5-step X 7 kinds of tolerance output and limit value output independently for each of 7 channels.
- Comes with serial BCD output capability for connection to a programmable controller or personal computer, etc., when the minimum cabling requirement is met.
- Dynamic measurement possible with simplified analogue output.
- Employs DIN size (96 x 48 mm) and panel-mount configuration to facilitate system integration.

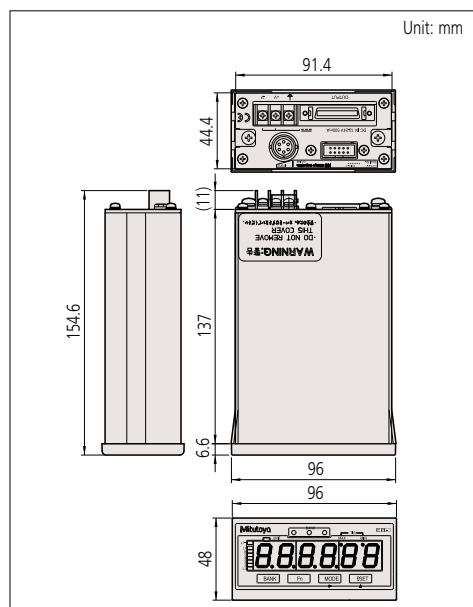


542-092-2E

SPECIFICATIONS

Code No.	542-092-2E
Applicable input	Differential square wave
Applicable gauges	LGF, LGB
Number of gauge inputs	1
Resolution	0.01, 0.005, 0.001, 0.0005, 0.0001 mm
Display	LED display (3 steps: amber, green, red/5 steps: amber, amber flashing, green, red flashing, red)
Price	£521.00

DIMENSIONS



AC adapter and AC cable

Functions

Preset, tolerance judgement output (3/5-step X 7 kinds), limit value output (2 kinds independently for each of the 7 channels), peak (maximum, minimum, runout) measurement, diverse data output (serial BCD, simplified analogue)

Output

Tolerance judgement: L1 to L5, open collector
Control: Normal operation signal (NORMAL), open collector

External control signal input

Preset, display hold, peak value clear, tolerance judgement BANK switch, open collector or no-voltage contact signal (with/without contact point)

Interface

Serial BCD: Bit-serial format, open collector
Analogue output : 2.5V + Counting value X voltage resolution (25mV/2.5mV): Full-scale 0 to 5V

Digimatic input/output:

- Connecting to the external switch box (No. 02ADF180) makes it easy to enter tolerance limits and preset values. Note: This cannot be used when the gauge is connected to a Mitutoyo DP-1VR Digimatic Mini-Processor.
- Can connect to a Mitutoyo DP-1VR Digimatic Mini-Processor.
- Number of tolerance steps can be expanded by assembling a set of EB-D counters.

Maximum input frequency

1.25 MHz (the response speed depends on the gauge being used.)

Power supply

12 - 24V DC

Power consumption

6W (500 mA) or less (power supply to be capable of supplying at least 1A for each unit.)

Optional Accessories

- 02ADB440:** I/O output connector
£18.00
- 02ADF180:** 10-key unit
£180.00
- 936937:** SPC data output cable (1 m)
£32.90
- 965014:** SPC data output cable (2 m)
£39.10
- 02ADN460:** AC adapter
£46.70
- 02ZAA030:** AC cable
£6.60
- 02ADD930:** Terminal connecting cable
£17.40