

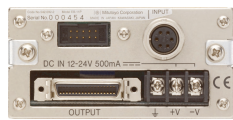
EG/EB Counters and Display Unit for Linear Gages

Series 542

- Compact types with control panel according to DIN (96 x 48 mm).
- With I/O control function for tolerance judgement evaluation (3 or 5 steps) or parallel BCD output function.



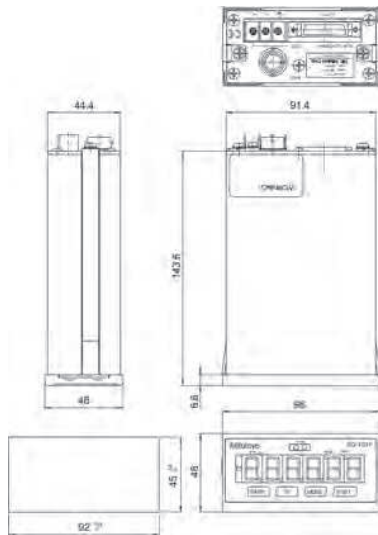
542-092-2



542-015



542-015



542-015 - 542-092-2

Model No.	EG 542-015	EB 542-092-2
Input signal type	Differential square-wave	Differential square-wave
Applicable gage	LGK, LGF, LGB, LGM (excluding origin point and sine wave types)	LGK, LGF, LGB
Gage inputs	1	1
Resolution	0,0001/0,0005/0,001/0,005/0,01 mm	0,0001/0,0005/0,001/0,005/0,01 mm
Display	LED (green) 6 digit and sign (-)	LED (green) 6 digit and sign (-)
Maximum input frequency	750 KHz (2-phase square wave)	750 KHz (2-phase square wave)
Power supply	Terminal block (M3 screws) 12 to 24 VDC, 500 mA (max.) via an external supply	Terminal block (M3 screws) 12 to 24 VDC, 500 mA (max.) via an external supply
Mass	400 g	400 g

Output applicable input for counter 542-092-2 Type EB

Gauge resolution setup	Range/resolution			Voltage per step
3 2 1	Linear Gauge 0,01 mm	Linear Gauge 0,005 mm	Linear Gauge 0,005 mm	
0 0 0	± 0,99/0,01	± 0,095/0,005	± 0,099/0,001	2,5 mV
0 0 1	± 9,99/0,01	± 0,995/0,005	± 0,999/0,001	25 mV
0 1 0	± 99,90/0,1	± 9,950/0,05	± 9,990/0,01	25 mV
0 1 1	± 999,00/1	± 99,500/0,5	± 99,900/0,1	25 mV
1 0 0	± 9990,00/10	± 995,000/5	± 999,000/1	25 mV

	Series 542	
	542-015	542-092-2
Functions		
PRESET (preselection)	●	●
Tolerance limit input	●	●
Counting direction switchable	●	●
Calculation of sum	●	●
Error display	●	●
Key lock	●	●
Tolerance limit setting (3 or 5 steps X 7 types)		●
MAX / MIN / Difference measurement	●	●
mm / inch switching	●	●
GO/±NG signal output (3 or 5 step)	●	●
External Control	●	●
Digimatic output	●	●
Output I/O	●	●
Tolerance judgement (3 or 5 step)	●	●
Analogue output		●

Specifications

Accuracy ± 5 % (0 V to 5 V) and ± 0.5 % (2.5 V ± 200 mV after setting the gap)

Specifications For 542-092-2

Output voltage 2.5 V + [Counting value x voltage resolution (25 mV or 2.5 mV)]

Full scale (!) 0 V to 5 V

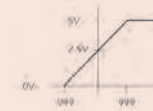
Response time 5 ms to 10 Hz

Charge resistance 300 kΩ or more

(!) accuracy is indicated by full scale 5 V

Optional accessories

No.	Description
02ADB440	BCD-I/O-Data connector
02ADD930	Three-wire cable for power supply via AC adapter
02ADF180	10-key unit
02ADN460	AC adapter
02ZAA020	AC cable
02ZAA030	AC cable UK only
For 542-092-2	
936937	Data cable (1 m)
965014	Data cable (2 m)
06ADV380D	USB Input Tool Direct cable (2 m)
02AZD790D	Connecting cable U-Wave



Refer to the Linear Gage brochure