

# NEW PRODUCT INFORMATION

## Linear Gage Counters EH/EH-S



1-axis type



2-axis type

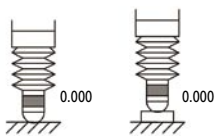
Standard counters featuring versatile functions.

There are two types: 1-axis display type and 2-axis type allowing for difference/sum function.

### Main Functions

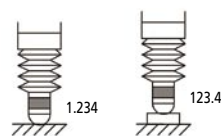
#### Zero set

Displayed value can be set to 0 at any position.



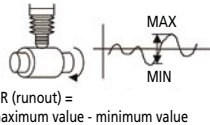
#### Preset

Displayed value can be preset to any value, from which counting can be started.



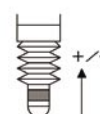
#### Measurement mode switching

Modes can be switched to measure the maximum value, minimum value, and runout (Max. - Min.) values besides usual measurement to any value, from which counting can be started.



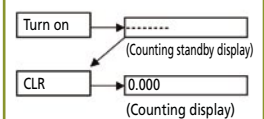
#### Directions witching

The counter display can be set to the direction, + or -, to be easily read in relation to the moving direction of the spindle.



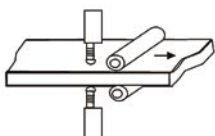
#### Counting standby

(To prevent malfunction at start up) Malfunction due to power interruption can be prevented.



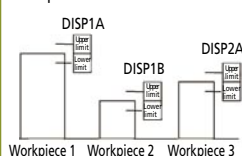
#### Thickness and runout measurement

Thickness of film and sheet can be measured.



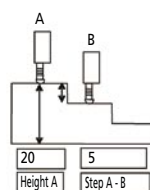
#### GO/NG judgment of multiple types of workpieces

Memory can be used to set multiple tolerances.



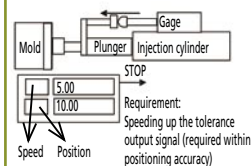
#### Step measurement

The difference and sum can be measured and calculated.



#### Simplified speed measurement and positioning

The simplified speed of the detector can be measured.



## Specifications

Code No.	542-075	542-071	542-073	542-074	542-072
Number of axes displayed	1 axis	2 axes			
Display	Code + 8 digits (green LED)				
Minimum reading	0.01/0.005/0.001/0.0005/0.0001 mm (Selection by parameters) 0.01/0.001µm				Automatic setting by the gage
Function	Zero, preset and peak measurement				
	—	Display memory, simplified speed measurement, two coordinates, simultaneous display of the current and peak values			
Control input	Preset/display hold/error cancel/peak mode switching				
	—	Display BANK switching			
Control output	Normal operation signal (normal) open collector/total judgment output				
Interface	RS-232C/USB/Digimatic output (selection by parameters) USB supported only by SENSORPAK (special accessory).				
	Tolerance judgment output/digit BCD output (selection by parameters)				
	Analog output				
Maximum input frequency	2.5MHz (2-phase square wave)		1MHz (Sine wave)	—	
Power supply/power consumption	Accompanying AC adaptor, or +12 to +24 V (maximum 700 mA): Maximum 8.4 W Secure at least 1 A commercial power for each unit.				
Operating temperature/ storage temperature range	0°C ~ 40°C (20 to 80% RH, no condensation) / -10°C ~ 50°C (20 to 80% RH, no condensation)				
External dimensions (WxDx H)	96×156×48mm				
Weight (g)	About 760	About 800	About 800	About 900	About 800

## SENSORPAK (Software to import measurement data)



Import screen selection screen

Measurement data can be imported to a PC from the linear gauge counter (EH/EV) with an RS-232C interface.

- Coordinate Measuring Machines
- Vision Measuring Systems
- Form Measurement
- Optical Measuring
- Sensor Systems
- Test Equipment and Seismometers
- Digital Scale and DRO Systems
- Small Tool Instruments and Data Management

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