



Compatible with our linear gauge sensors to measure dimension, thickness and displacement.

Lineup of DIN Sized Digital Gauge Counters



DG-4120 Basic type with BCD signal output **DG-4140** Comparator results displayed on a backlit LCD (OK-Green, NG-Red)

DG-4240 Comparator results indicated by LEDs (UPPER/OK/LOWER) DG-4280 Comparator with a 4-step preset function



Various applications to match your requirements. We are always ready to respond to your most demanding manufacturing and quality control needs.



A Brief Explanation of Terms



Specifications

Item Model name	DG-4120	DG-4240	DG-4280
Display	LED, 5-digits for numeric values and 1 digit for polarity (-)		
Display range	0.000 to ±99.999, 0.00 to ±999.99 (mm)		
Signal input	Phase difference rectangular waveform at 90° from DC to 75kHz		
External control signal	Hold, Reset	Hold, Reset	Hold, Reset
	(BCD connector)	Comparator gate	Preset gate 1 to 4
		(Terminal)	(Terminal)
Digital output	BCD data, Polarity, Error (Switchover of positive/negative logic, open collector output)		
Relay output (Register load)	-	Signal contact output for each, Capacity 30 VDC/2A	
Comparator setting	-	Digital switches at the front panel (Push type), 5 digits	
		and polarity	
Power supply	100 to 240 VAC 50/60Hz, Approx. 7VA		
Operating temperature	0 to 40°C		
Storage temperature	-10 to 55°C		
Outer dimensions	72 (W) x 72(H) x 118(D) mm	96 (W) x 96(H) x 127(D) mm	
Accessories	Instruction manual	Instruction manual	
	Panel mount fixture	Panel mou	unt fixture
	Terminal cover	(*Power cable	e is an option.)
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External drawings



* For the specifications of model DG-4140, an exclusive catalog is available. Please contact us or nearest distributor accordingly.

Peripheral equipment (options)



Accessories (option)
AA-8103 BCD cable (3 m)
AA-5100 Printing paper
(1 set = 10 rolls)

DA-4130 (D/A Converter)

• Output Signal: 0 to ± 10V, 16mA/0 to ±999 counts

- The selected 3-digit signal from the gauge counter is converted.
- Accessories (option) AA-8101 BCD cable (3 meter) AX-2050 power cable (100V input)

DG-2310 Digital Gauge Counter

Features

- 2 channels input to measure the displacement of two points
- Various output signals for external data processing
- Calculation, peak hold, comparator, offset functions



Specifications

		DG-2310		
No. of inputs		2 channels (Compatible with our GS/BS series gauge sensors)		
Display		Main display: LED - Polarity (-) & numerical values (6 digits)		
		Sub display: LCD - 16 characters x 2 lines		
		Comparator display: LED - Upper & Lower/Red		
		Good/Green		
External input signal		For reset, peak hold, hold, key-protection operations (by voltage or non-voltage contact signal)		
BCD signal		Output: BCD, Polarity, judgment, error: open collector (Max. 30V)		
		Input: Reset/Hold, Hi: +4 to +5.25V, Lo: 0 to 1V		
Output signal	Analog	0 to \pm 10V (Full Scale), 12-bit D/A, Refresh rate: less than 10ms		
	RS-232C	Baud rate: 2400/4800/9600 bps		
	Comparator	Setting range at 0 to ±999999, output: LOWER/GOOD/UPPER		
		Semiconductor relay, 30 VAC/0.1A, Refresh rate: less than 10ms		
Calculation		A+B, A-B, B		
Peak hold		MAX, MIN, MAX-MIN (RANGE)		
Offset		Setting range at 0 to ±999999		
Resolution		0.5µm, 1µm, 10µm (It should be set with the resolution of the sensor.)		
Power supply		100 to 240 VAC (50/60Hz)		
Operating temp.		0 to 40°C		
Storage temp.		-10 to 55°C		
Size 144(W)		144(W) x 72(H) x 180(D)mm		
Weight Appro		Approx. 1.3 kg		

Figure-An example of measuring the height difference between two points of a small part by using two linear gauge sensors and the calculation functions of DG-2310. (Gauge sensors are sold separately.)





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Outer appearance and specifications are subject to change without prior notice. URL: http://www.onosokki.co.jp/English/english.htm

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