



LK-G3001P

Separate controller, PNP output



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model			LK-G3001P*1			
Type			Separate monitor model*2			
Display	Head compatibility		All LK-G sensor heads are compatible			
	Number of connectable sensors		Maximum of 2 units			
	Minimum display unit		0.01 μm			
	Display range		±9,999.99 mm to ±9,999.99 μm (Selectable from six levels)			
	Refresh rate		10 times/sec			
Terminal block	Analog voltage output		±10 V x 2 outputs, output impedance: 100 Ω			
	Analog current output		4 to 20 mA x 2 outputs, maximum load resistance: 350 Ω			
	Timing input		For OUT1, voltage input			
	Reset input					
	Auto-zero input					
	Laser remote interlock input					
	Comparator output		For OUT1, PNP open-collector output			
	Alarm output		For OUT1, PNP open-collector output (N.C.)			
Expansion connector	Timing input		For OUT2, voltage input			
	Reset input					
	Auto-zero input					
	Program switching input		Voltage input x 3 inputs			
	Laser-Off input		For Head A/Head B, voltage input			
	Comparator output		For OUT2, PNP open-collector output			
	Alarm output		For OUT2, PNP open-collector output (N.C.)			
	Binary	Binary output		Measured data output (21 bits), OUT1/OUT2 selectable, PNP open-collector output		
		Strobe output		PNP open-collector output		
		Binary selector output				
		Binary selector input				
RS-232C interface			Measured data output and control input/output (Maximum baud rate: 115,200 bps, selectable)			
USB interface			In conformity with USB Revision 2.0 Full speed (USB1.1 compatible)			
Major functions			2 OUT simultaneous measurement, Operation, Averaging, Filter, Calibration, Measurement, AUTO ZERO, Sampling frequency setting, Mutual interference prevention, Data storage, 8-program memory, ECO mode, ABLE setting, Target setting, ABLE tuning, Selection of measurement surface of transparent target, Statistics processing, Connection of setting support software, Selectable head-mounting, etc.			

Rating	Power voltage	24 VDC $\pm$ 10 %, Ripple (P-P) 10 % or less
	Current consumption	500 mA or less with 1 head/600 mA or less with 2 heads
Environmental resistance	Ambient temperature	0 to +50 °C 32 to 122 °F
	Relative humidity	35 to 85 % RH (No condensation)
Weight		Approx. 370 g

*1 The rating of the PNP open collector: 50 mA max. (30 V max.), residual voltage of 1 V max.
The rating of voltage input: 10.2 V or more ON voltage (26.4 V max.) 0.6 mA or less OFF current.

*2 LK-G3001P can be operated singly. The measured value display and setting modifications can be performed on the display panel (LK-GD500) or via the setting support software (LK-H1W).

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

