



LJ-V7001

Controller



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

Specifications

Model		LJ-V7001
Number of connectable sensors		Max. 2 units
Display	Minimum displayable unit	0.1 μm, 0.00001 mm ² , 0.01°
	Maximum display range	±9999,99mm, ±9999,99mm ²
Input terminal block	Laser remote interlock input	Non-voltage input* ¹
Input terminal block	Encoder input	NPN open-collector output, voltage output (5 V/12 V/24 V), and line-driver output all supported
Input terminal block	Trigger input	Non-voltage input* ¹
	Timing 1,2 input	
	Auto-zero 1,2 input	
Input terminal block	Reset 1, 2 input	
	Start measurement/stop input	
Input terminal block	Start storage/stop input	Non-voltage input x 4 inputs* ¹
	Clear memory input	
	Laser OFF input	
	Programme switch input	
Output terminal block	Analogue voltage output	±10 V x 2 outputs, Output impedance: 100 Ω
Output terminal block	OUT comparator output	NPN open collector output x 12 outputs* ² (Can freely assign 16 OUTs x 3 stage judgement results)
	Strobe output	NPN open collector output* ²
	Disable trigger output	
	Memory FULL output	
	Ready output	
Output terminal block	Error output	NPN open collector output (N.C.)* ²
PC interface	Ethernet	1000BASE-T/100BASE-TX* ³
	USB	USB 2.0 high speed compliant (USB 1.1 Full-SPEED compatible)* ³
	RS232C	Measurement data output and control I/O (Can select a baud rate of up to 115,200 bits/s)
Rating	Power voltage	24 VDC ±10 %, including Ripple (P-P)
	Current consumption	1.3 A or less when connected to 1 head 1.9 A or less when connected to 2 heads
Environmental resistance	Ambient temperature	0 to +50 °C
	Relative humidity	85% RH or less (no condensation)
Weight		Approx. 1,500 g

*¹ The rating for non-voltage input is up to 1 V for ON voltage and up to 0.6 mA for OFF current

*2 The rating for NPN open-collector output is up to 50 mA (40 V or less), residual voltage of up to 1 V
*3 Sample DLL and LabVIEW programs are available. Contact your local sales office for details.

Dimensions

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

LJ-V7000

