



LS-7001

Controller, without Monitor Function



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

Specifications

Model			LS-7001*1
Type			Standard
No. of connectable sensor heads			2 (fully compatible for all head types except monitor (M) models)
Display	Measurement display		Main display: 7-segment red LED (Character height: 20.3 mm 0.80") Sub-display: 7-segment red LED (Character height: 9.9 mm 0.39") x 3
	Minimum display unit		0.01 μm to 100 μm (7-level selectable)
	Display range		±99.99999 to ±9,999.9 mm ±3.937" to ±393.7" (Linked to minimum display unit setting, mm/μm selectable)
	Measurement position monitor		7-level display with a red LED
	Tolerance check output display		Green LED (GO), Red LED x 2 (HI, LO)
Input terminal block	Synchronous 1, 2 input		Non-voltage input for OUT1
	Auto-zero 1, 2 input		
	Reset 1, 2 input		
	Statistics 1, 2 input		-
	Program selection input		Non-voltage input x 4 inputs
Output terminal	Analog voltage output		±10 V x 2 outputs
	Alarm output		NPN open-collector output (N.C.)
	Total judgment output		NPN open-collector output for OUT1
	Comparator ready output		
	Strobe 1, 2 output		
Connector I/O	SUB mode	Statistical processing output	-
		Function output	Selectable from focus, area check, and differential, NPN open-collector output x 2 outputs*2
		5-level comparator output	NPN open-collector output for OUT2*2
		Comparator ready output	
		Strobe output	
	BCD mode	BCD output	Measurement data output (Sign + 7 digits), OUT1/OUT2 selectable, NPN open-collector output*2
		BCD selection output	NPN open-collector output*2
		BCD selection input	Non-voltage input*2
	Statistical processing input		-
	Synchronous input		Non-voltage input for OUT2
	Reset input		
	Auto-zero input		

Interface	RS-232C	Measurement data output and control I/O, printer (Baud rate can be selected up to 115,200 bps.)
Video output		-
Major functions		Simultaneous measurement, Area designation, Calculation, Averaging, Calibration, 16-program memory, Measurement modes, Auto-zero, Print-out, Abnormal value elimination, Transparent object measurement, Mutual interference prevention, etc.
Rating	Power voltage	24 VDC $\pm 10\%$ ^{*3}
	Power consumption	0.7 A max. ^{*3}
Environmental resistance	Enclosure rating	IP64 (Panel surface only)
	Ambient temperature	0 to +40 °C 32 to 104 °F
	Relative humidity	35 to 85 % RH (No condensation)
Weight		Approx. 820 g

^{*1} The rating of the NPN open-collector inside the terminal block is: 100 mA max. (40 V max.), residual voltage of 0.5 V max.

The rating of the NPN open-collector inside the connector I/O is: 30 mA max. (30 V max.), residual voltage of 0.5 V max.

The rating of non-voltage input is: ON voltage of 1 V max., OFF current of 0.6 mA max.

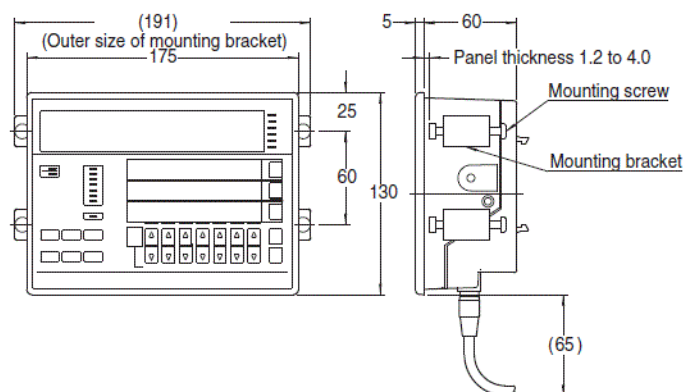
^{*2} Either SUB mode or BCD mode can be selected.

^{*3} AC power supply can be used when the LS-S11 (AC power supply stand) is connected.

Dimensions

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

■ LS-7000 Controller



Panel Mounting Dimensions

