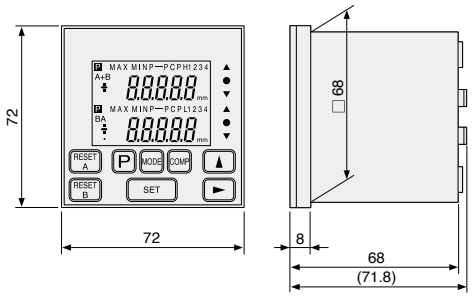
LT LT11A Series (for DT512)

Output BCD | Output RS-232C | Output Go/no-go judgment



Unit: mm

Specifications

Model	LT11A-101	LT11A-101B (BCD output model)	LT11A-101C (RS-232C input/output model)	LT11A-201	LT11A-201B (BCD output model)	LT11A-201C (RS-232C input/output model)
Number of input axes	DT512 Series gauge can be connected.					
	1 axis			2 axes		
Input resolution	1/5/10 μm (parameter setting for each axis)					
Number of display axes	1 axis			2 axes		
Display data	Current, max., min., and peak-to-peak values (= max. value – min. value)			Current, max., min., and peak-to-peak values (= max. value – min value) of each axis or A-axis display: current, max., min., and peak-to-peak values (= max. value – min value) of 2-axis addition and subtraction B-axis display: single axis (1st or 2nd axis) (Caution for 2-axis addition or subtraction display setting: single-axis display can be only provided on monitor and cannot be operated.) (Selected by parameter setting)		
Display resolution	Same resolution as input resolution for each axis					
Direction	Parameter-based polarity setting for each axis					
Alarm display	Measuring unit unconnected, excess speed, display-digit overflow					
Addition and subtraction function	—			A+B, A–B, B–A can be set with the direction setting.		
Peak hold function	Peak calculation (max., min., and peak-to-peak values) is possible.			Peak calculation of each axis or addition/subtraction value is possible. (However, during 2-axis addition or subtraction, only 1st or 2nd axis display is possible in B-axis display.)		
Restart	Starts peak hold calculation. Operation is made by external input.			Starts peak hold calculation of each axis. Operation is made by external input (for each axis).		
Hold function (latch and pause) Latch = display and output holding Pause = peak calculation holding	Provided					
Comparator function	A set of upper and lower limits is settable.	Four sets of upper and lower limits are settable. Switching of a set is made through BCD terminal.	A set of upper and lower limits is settable.	A set of upper and lower limits is settable for each axis. However, single-axis setting cannot be made during addition or substation.	Four sets of upper and lower limits are settable for each axis. However, single-axis setting cannot be made during addition or substation. Switching of a set is made through BCD connector.	A set of upper and lower limits is settable for each axis. However, single-axis setting cannot be made during addition or substation.
Input signal	Reset, start/latching, and pause of each axis					
	—	—	RS-TRg input (RS-232C data output command)	—	—	RS-TRg input (RS-232C data output command)
	Input circuit: Photocoupler (input voltage V = 4-26.4 V)					
Output signal	Comparator judgment output of each axis					
	Output circuit: NPN open collector (output voltage V = 5-26.4 V)					
Comparator judgment output	NPN open collector output					
BCD output	—	Current value and peak value (max., min., and peak-to-peak values) can be output.	—	—	Current value and peak value (max., min., and peak-to-peak values) can be output.	—
RS-232C input/output	—	—	Each function can be activated using RS-232C command instead of key operation. Current, max., min., and peak-to-peak values can be output using RS-232C data output command.	—	—	Each function can be activated using RS-232C command instead of key operation. Current, max., min., and peak-to-peak values can be output using RS-232C data output command.
Reset	Reset can be made by key operation or external reset input.					
Preset	Key operation		Key operation or command via RS-232C	Key operation		Key operation or command via RS-232C
Master calibration function	○					
Reference point function	—					
Key lock function	○					
Power supply	9 to 26.4 VDC					
Power consumption	1.8 W	2.9 W	2.0 W	2.3 W	4.0 W	2.5 W
Operating temperature range	0 to 40 °C					
Storage temperature range	–10 to 50 °C					
Mass	Approx. 200 g	Approx. 230 g	Approx. 220 g	Approx. 210 g	Approx. 270 g	Approx. 230 g