

LT

LT11A SERIES (for DT512)

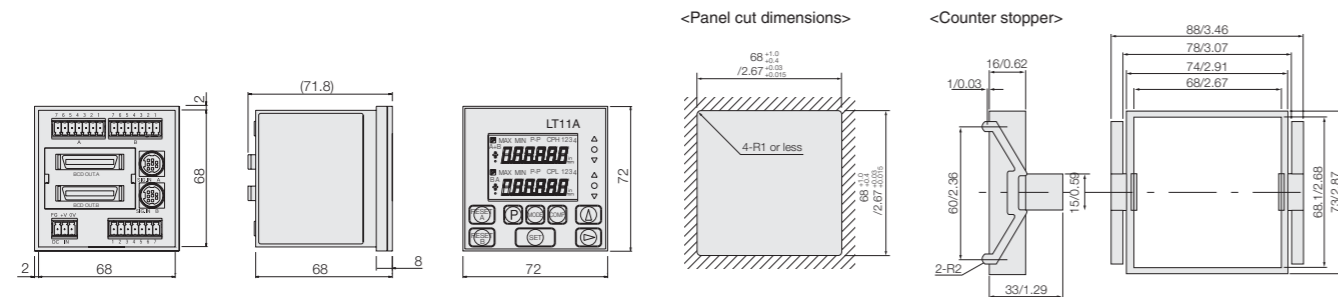
Compact, lightweight,
and easy-to-mount counter.



Counter unit

- Compact size : DIN standard (72 mm x 72mm / 2.83" x 2.83" W x H)
- Resolution: 1, 5, 10 μm Selectable
- Suitable for panel mounting
- Direct interfacing from display unit to PLC or computer
- Current values, maximum, minimum, peak-to-peak values and GO/NO GO evaluation included as standard functions.
- ADD/SUB function (2-channel model)
- Full lineup for various applications

Dimensions



Unit : mm/inch

Common Specifications							
Model	LT11A-101	101B	101C	201	201B	201C	
Display	5 digit backlit LCD, mode display						
I/O	Measuring unit input	1 channel			2 channel		
	I/O connectors *1	○					
	BCD *2	—	○	—	—	○	
	RS-232C *3	—	—	○	—	○	
	RS-TRG *4	—	—	○	—	○	
Reset function	Reset key or external input (I/O connectors)						
	—	BCD terminal	RS-232C command	—	BCD terminal	RS-232C command	
Preset function	Preset value set with preset key, recalled with reset key.						
	—	Recalled with BCD reset terminal	Set or recalled with RS-232C command	—	Recalled with BCD reset terminal	Set or recalled with RS-232C command	
Comparator function	Three-level comparator Comparator value set with keys on the front panel. Result evaluation: LED and I/O connector output (photocoupler)						
	—	Up to 4 values can be set for comparator (key input). Switched with BCD terminal.	Set with RS-232C command	—	Up to 4 values can be set for comparator (key input). Switched with BCD terminal.	Set with RS-232C command	
Peak hold function	Maximum, minimum, and peak-to-peak values. Measuring started by the start input of the I/O connector; update stop by pause input.						
	—	Can be started with the BCD terminal.	RS-232C can set or start.	—	Can be started with the BCD terminal.	RS-232C can set or start.	
Resolution	0.001 mm, 0.005 mm, 0.01 mm selectable						
Direction	Can be switched						
Maximum response speed	100 m/min			80 m/min			
Addition and subtraction function	A+B, A-B, B-A can be set with the direction setting.						
Alarm	Displayed on LCD or the I/O connector's comparator outputs are all "H" (OFF).						
	—	BCD alarm terminal "H" (OFF)	—	—	BCD alarm terminal "H" (OFF)	—	
Data storage	Resolution, direction, comparator value, preset value, modes, etc.						
	—	BCD sign	Data signalling rate, etc.	—	BCD sign	Data signalling rate, etc.	
Temperature	Operating temperature: 0 to 40°C Storage temperature: -10 to 50°C						
Power consumption *5	1.8 W	2.9 W	2.0 W	2.3 W	4.0 W	2.5 W	
Mass	Approx. 200 g	Approx. 230 g	Approx. 220 g	Approx. 210 g	Approx. 270 g	Approx. 230 g	
Power voltage	Power input connector (3 pins) : DC9.0 to 26.4 V.						
Compatible measuring unit	DT512 series						

Note 1 : I/O connector
Input : Reset, peak-hold start, peak-hold pause, RS trigger (RS-232C models only)
Output : Result evaluation (photocoupler)
Note 3 : RS-232C (8 pin mini-DIN connector)
Reset, preset value setting/recall, peak-hold start, peak-hold pause, current value hold, software version read, comparator value setting, current value/maximum value/minimum value/peak-to-peak measuring mode selection and output, key lock and release.

Note 2 : BCD (36 pin half-pitch connector)
Input : Reset, peak-hold start, comparator value selection (4 settings)
Output : five digits (open collector) One of current value/maximum value/minimum value/peak-to-peak value selected and output.
Alarm output
Note 4 : RS-TRG pin
Trigger input for RS-232C data output
Note 5 : With measuring unit connected.

LT

LT10A SERIES (for DT12/32)

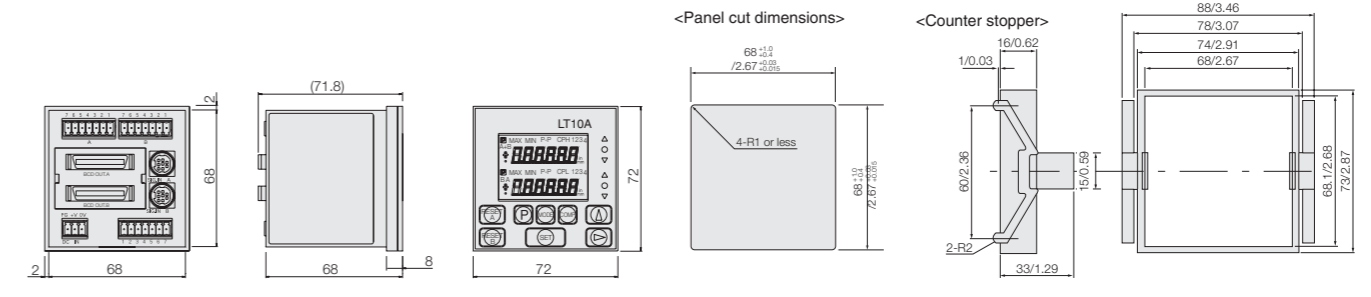
Compact, lightweight,
and easy-to-mount counter.



Counter unit

- Compact size : DIN standard (72 mm x 72 mm / 2.83" x 2.83" W x H)
- Resolution : 5, 10 μm Selectable
- Suitable for panel mounting
- Direct interfacing from display unit to PLC or computer
- Current values, maximum, minimum, peak-to-peak values and GO/NO GO evaluation included as standard functions.
- ADD/SUB function (2-channel model)
- Full lineup for various applications

Dimensions



Unit : mm/inch

Common Specifications							
Model	LT10A-105	105B	105C	205	205B	205C	
Display	5 digit backlit LCD, mode display						
I/O	Measuring unit input	1 channel			2 channel		
	I/O connectors *1	○					
	BCD *2	—	○	—	—	○	
	RS-232C *3	—	—	○	—	○	
	RS-TRG *4	—	—	—	—	○	
Reset function	Reset key or external input (I/O connectors)						
	—	BCD terminal	RS-232C command	—	BCD terminal	RS-232C command	
Preset function	Preset value set with preset key, recalled with reset key.						
	—	Recalled with BCD reset terminal	Set or recalled with RS-232C command	—	Recalled with BCD reset terminal	Set or recalled with RS-232C command	
Comparator function	Three-level comparator Comparator value set with keys on the front panel. Result evaluation: LED and I/O connector output (photocoupler)						
	—	Up to 4 values can be set for comparator (key input). Switched with BCD terminal.	Set with RS-232C command	—	Up to 4 values can be set for comparator (key input). Switched with BCD terminal.	Set with RS-232C command	
Peak hold function	Maximum, minimum, and peak-to-peak values. Measuring started by the start input of the I/O connector; update stop by pause input.						
	—	Can be started with the BCD terminal.	RS-232C can set or start.	—	Can be started with the BCD terminal.	RS-232C can set or start.	
Resolution	0.005 mm, 0.01 mm selectable						
Direction	Can be switched						
Maximum response speed	100 m/min			80 m/min			
Addition and subtraction function	A+B, A-B, B-A can be set with the direction setting.						
Alarm	Displayed on LCD or the I/O connector's comparator outputs are all "H" (OFF).						
	—	BCD alarm terminal "H" (OFF)	—	—	BCD alarm terminal "H" (OFF)	—	
Data storage	Resolution, direction, comparator value, preset value, modes, etc.						
	—	BCD sign	Data signalling rate, etc.	—	BCD sign	Data signalling rate, etc.	
Temperature	Operating temperature: 0 to 40°C Storage temperature: -10 to 50°C						
Power consumption *5	1.8 W	2.9 W	2.0 W	2.3 W	4.0 W	2.5 W	
Mass	Approx. 200 g	Approx. 230 g	Approx. 220 g	Approx. 210 g	Approx. 270 g	Approx. 230 g	
Power voltage	Power input connector (3 pins) : DC9.0 to 26.4 V.						
Compatible measuring unit	DT12/32 series						

Note 1 : I/O connector
Input : Reset, peak-hold start, peak-hold pause, RS trigger (RS-232C models only)
Output : Result evaluation (photocoupler)
Note 3 : RS-232C (8 pin mini-DIN connector)
Reset, preset value setting/recall, peak-hold start, peak-hold pause, current value hold, software version read, comparator value setting, current value/maximum value/minimum value/peak-to-peak measuring mode selection and output, key lock and release.

Note 2 : BCD (36 pin half-pitch connector)
Input : Reset, peak-hold start, comparator value selection (4 settings)
Output : five digits (open collector) One of current value/maximum value/minimum value/peak-to-peak value selected and output.
Alarm output
Note 4 : RS-TRG pin
Trigger input for RS-232C data output
Note 5 : With measuring unit connected.