LT

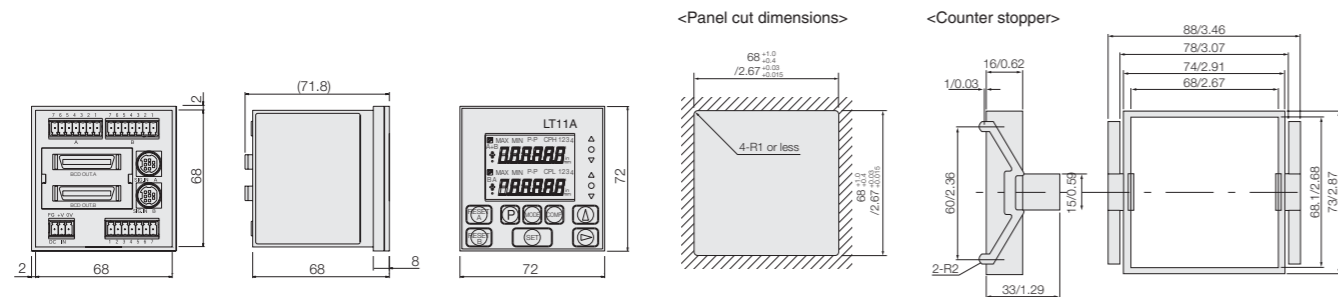## LT11A SERIES (for DT512)

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

- 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

Counter unit

Dimensions

Unit : mm/inch

Common Specifications

Model	LT11A-101	101B	101C	201	201B	201C
Display	5 digit backlit LCD, mode display					
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
Conparetor 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 measuringmode 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-peakvalue selected and output.
  Alarm output
Note 4 : RS-TRG pin
  Trigger input for RS-232C data output
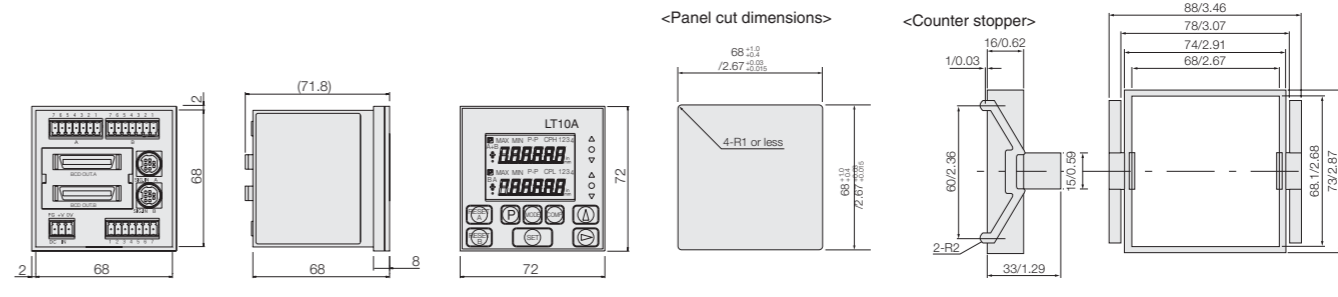Note 5 : With measuring unit connected.

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LT10A SERIES (for DT12/32)

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

- 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

Counter unit

Dimensions

Unit : mm/inch

Common Specifications

Model	LT10A-105	105B	105C	205	205B	205C
Display	5 digit backlit LCD, mode display					
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
Conparetor 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 measuringmode 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-peakvalue selected and output.
  Alarm output
Note 4 : RS-TRG pin
  Trigger input for RS-232C data output
Note 5 : With measuring unit connected.

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