

LT

LT10A SERIES (for DT12/32)

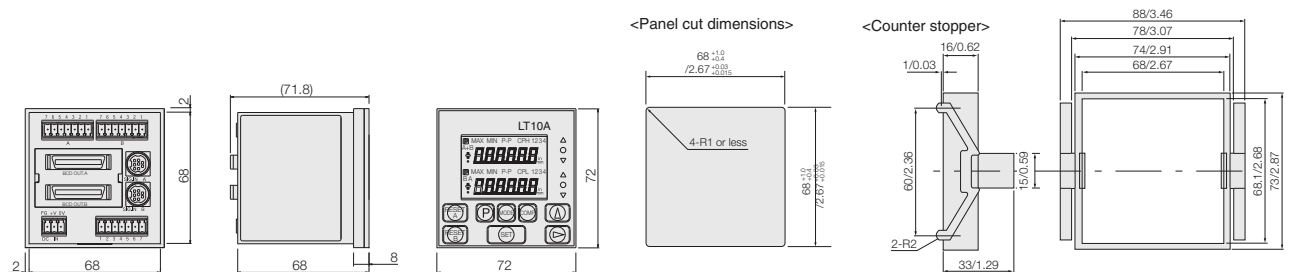
Compact, lightweight,
and easy-to-mount counter.



Counter unit

- Compact size : DIN standard (72 mm x 72 mm / 2.83" x 2.83" W x H)
- Resolution : 5, 10 μ m 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



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 |
| 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 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.