LY51

Multifunction display with various replaceable expansion I/O boards

- Compact design. Suitable for panel-mounting.
- Selectable display resolution
- Five different replaceable I/O boards. Up to 3 boards can be installed at a time
  - •Comparator (Relay output type)
  - •Comparator (Open collector output type)
  - •BCD (Open collector output)
  - •RS-232C
  - •A/B phase output
- Reset/preset/recall
- Peak hold function for measuring max./min./peak-to-peak values.
- ADD/SUB function
- Zero point detection
- Data latch
- Data storage
- Linear error compensation
- Various controls and data analyses by PLCs and computers
- Inch/metric display

Specifications

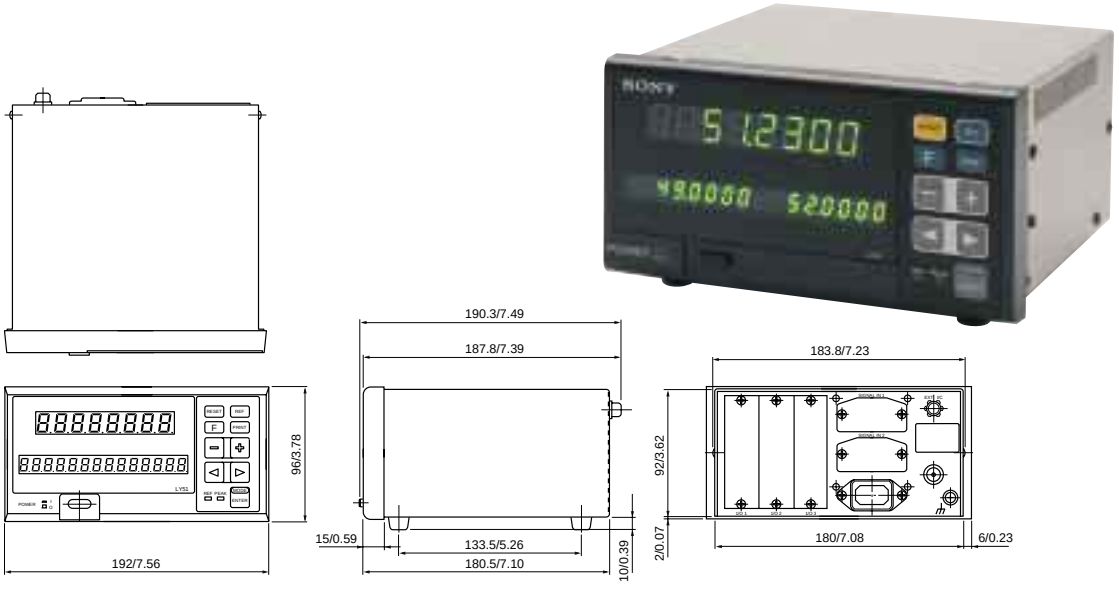
Model		LY51
No. of connectable axes		2
No. of display axes		1
Display	Main	7 digits, LED display (leading zero suppress, floating minus sign)
	Aux	Two 7 digits, green LED display (leading zero suppress, floating minus sign), 16 digits message display
Display resolution		Varies with the transducer (0.1 µm with DE-B gauge)
Max. response speed		Varies with the transducer
Reset/Preset/Recall		By key operations or external input
Peak hold function		Max./ min./ peak-to-peak values
ADD/SUB		A+B, A-B, B-A
Linear error compensation		When table moves a certain distance, a unit of compensation value is added or subtracted for linear compensation
Zero point detection		Used with a transducer having a zero point, LY51 detects the zero point
Data latch		Output latch and display latch
Data storage		Preset value and the value that was displayed before power-off are stored in non-volatile memory
Alarm display		1. Power interrupt 2. Max.response speed exceeded 3. Error in stored data 4. Transducer disconnected
Operating temperature		0 ˚C to 40 ˚C / 32 ˚F to 104 ˚F (No condensation ; see note 1)
Storage temperature		-20 ˚C to 60 ˚C / -4 ˚F to 140 ˚F
Power supply		100 V AC to 230 V AC ± 10%
Power consumption		30 VA
Mass		Approx. 2 kg/ 4.41 lbs

Note 1 : Guranteed ranges under the applicable safety standard are 0 to 31 ˚C (80%RH), 31 ˚C (80%RH) to 40 ˚C (50%RH).

Expansion I/O boards (Option)

BCD Unit		
LZ51-B	**Output**	7-digit parallel data (4 bits x 7 digits), sign (1 bit), READY signal (1 bit), positive/negative logic selectable
	Electrical	Open collector (48 VDC max.); Ic=300 mA Output IC: SN75468NS
	Latch input	5 to 24VDC photo coupler; BCD output alone or both BCD output and display can be latched
Comparator Unit		
LZ51-K/R	**Comparison data**	Current value, max. value, min. value, p-p value
	Upper/lower limits settings	Selectable from max. of 16 sets (max.) of data (1 set consists of 1 to 4 comparison data)
	Go/No Go evaluation	5 points, Open collector (24 VDC max.); Ic=300 mA; Output IC: SN75468NS; relay output
	Ext. input	5 VDC to 24 VDC photo coupler
	Display	When comparison is made with another value than current value, the main display can be set to show either max., min. or p-p value in addition to the current value
RS-232C Unit		
LZ51-C	**Transfer rate**	600, 1200, 2400, 4800, 9600, 19200 bps
	Stop bit	1 or 2 bits
	Parity	Odd, even, no parity
	Data length	7 or 8 bits
	Data processing speed	20 data/ s (at 9600 bps)
A/B phase Unit LZ51-H		A/B phase output (1st or 2nd axis) Differential 75113 and open collector 7407

Dimensions



Unit : mm/inch

LY52

Multifunction display with RS-232C interface

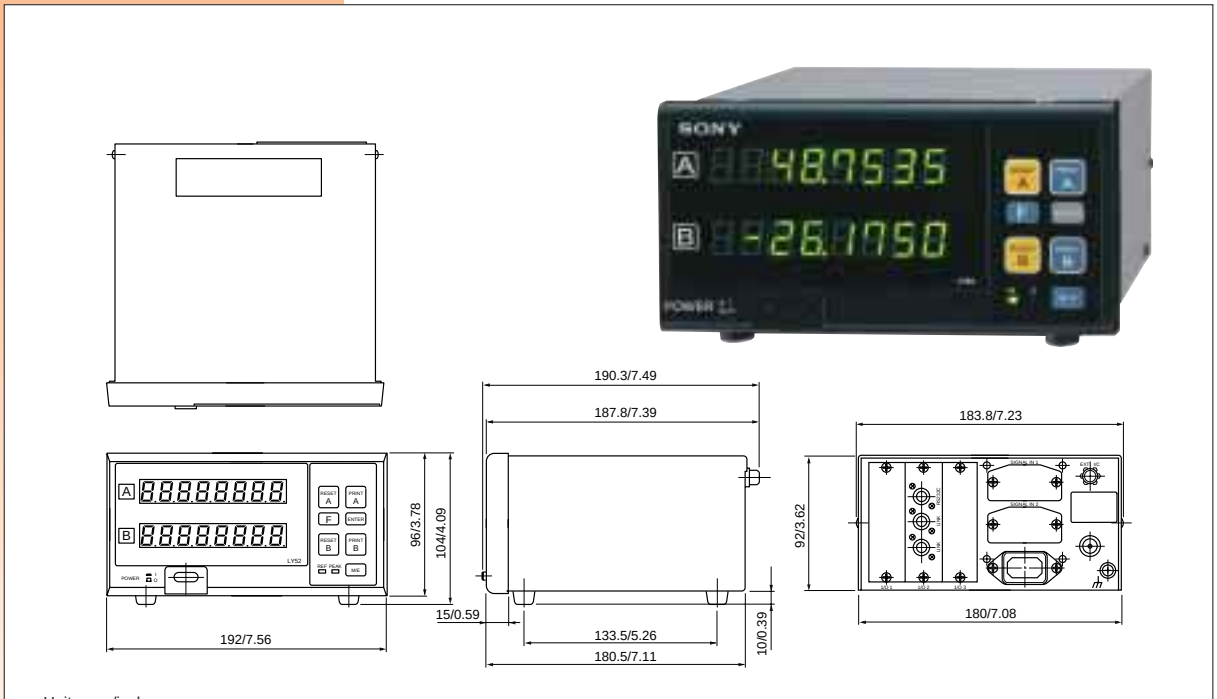
- Compact design. Suitable for panel-mounting.
- Selectable display resolution
- Reset/preset/recall
- Peak hold function for measuring max./min./peak-to-peak values.
- ADD/SUB function
- RS-232C interface
- Zero point detection
- Data storage
- Linear error compensation
- Various controls and data analyses by PLCs and computers
- Inch/metric display

Specifications

Model		LY52	
No. of connectable axes		2	
No. of display axes		2	
Display		7 digits, LED display (leading zero suppress, floating minus sign)	
Display resolution		Varies with the transducer (0.1 µm with DE-B gauge)	
Max. response speed		Varies with the transducer	
Reset/Preset/Recall		By key operations or external input	
Peak hold function		Max./min./peak-to-peak values	
ADD/SUB		A + B, A – B, B – A	
Linear error compensation		When table moves a certain distance, a unit of compensation value is added or subtracted for linear compensation	
Zero point detection		Used with a transducer having a zero point, LY52 detects the zero point	
Data latch		Output latch and display latch	
Data storage		Preset value and the value that was displayed before power-off are stored in non-volatile memory	
Alarm display		1. Power interrupt 2. Max. response speed exceeded 3. Error in stored data 4. Transducer disconnected	
RS-232C output	Transfer rate	600, 1200, 2400, 4800, 9600, 19200 bps	
	Stop bit	1 or 2 bits	
	Parity	Odd, even, no parity	
	Data length	7 or 8 bits	
	Data output	Signed 7-digit data with or without header	
	Print key	Data output by key operation	
	Multi axis connection	2 to 4 axes can be connected	
	Daisy-chain	Data processing speed	20 data/s (at 9600 bps)
Operating temperature		0 ˚C to 40 ˚C / 32 ˚F to 104 ˚F (No condensation ; see note 1)	
Storage temperature		-20 ˚C to 60 ˚C / -4 ˚F to 140 ˚F	
Power supply		100 V AC to 230 V AC ± 10%	
Power consumption		30 VA	
Mass		Approx. 2 kg/ 4.41 lbs	

Note 1 : Guranteed ranges under the applicable safety standard are 0 to 31 ˚C (80%RH), 31 ˚C (80%RH) to 40 ˚C (50%RH).

Dimensions



Unit : mm/inch

Displays