

LT20

Compact, lightweight and easy-to-mount display

- Compact design: DIN standard size
(72 mm x 72 mm / 2.83" x 2.83" W x H).
- Suitable for panel mounting
- Selectable display resolutions: 0.5/ 1/ 5/ 10 μm
- BCD and RS-232C I/ O models to choose from.
- Reset/preset
- Peak hold function for measuring max./ min./ peak-to-peak values and GO/NO GO evaluation.
- ADD/ SUB function (2-axis model only)
- Data storage: resolution, counting direction, comparator reference points, preset value, mode, BCD sign (B type), communication parameters (C type)
- Inch/ metric display
- Applications: automatic sorting and measuring of parts on production lines.

Specifications

Model	LT20-101	LT20-101B	LT20-101C	LT20-201	LT20-201B	LT20-201C	
Display	6 digits, backlighted LCD display, mode indication						
Display resolution	0.5, 1, 5 or 10 μm selectable						
ADD/SUB function	—			A + B, A - B, or B - A selection by direction setting			
Direction	Selectable						
I/O	Measuring input units	1 channel			2 channels		
	Terminals	—			●		
	BCD	—	●	—	—	●	—
	RS-232C	—	—	●	—	—	●
Ext. IN	—	—	●	—	—	●	
Reset	Reset key operation or external input (from terminals)						
	—	—	RS-232C command	—	●	RS-232C command	
Preset	Preset key and recall with reset key						
	—	—	Setting and recall via RS-232C	—	—	Setting and recall via RS-232C	
Comparator function	3-range comparator, comparator value setting by key switch GO/NO GO evaluation: LED display and terminals output (open collector)						
	—	4 sets of comparison points Selected via BCD	Setting via RS-232C	—	4 sets of comparison points setting possible Selected via BCD	Setting via RS-232C	
Peak hold function	Max/min/peak-to-peak values; sampling commended by start input from terminals; either these values or current values are selected						
	—	—	Setting and start via RS-232C	—	—	Setting and start via RS-232C	
Mode settings	Set measurement mode with mode key						
	—	Set via BCD terminal	Set via RS-232C command	—	Set via BCD terminal	Set via RS-232C command	
Alarm	Response frequency exceeded or measuring unit disconnected (Display on LCD, the comparator output for the terminals are all "H")						
	—	BCD alarm (output= "H")	RS-232C (output character "E")	—	BCD alarm (output= "H")	RS-232C (output character "E")	
Data storage	Resolutions, directions, comparator values, preset values, modes						
	—	BCD polarity	Data communications parameters	—	BCD polarity	Data communications parameters	
Operating temperature	0 °C to 40 °C / 32 °F to 104 °F						
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F						
Power supply	Terminals: 12VDC -10% to 24 VDC + 10%						
Power consumption	4 W	5 W	4 W	6 W	8 W	6 W	
Compatible measuring units	DG-B, DL-B, DL-BR and DT12N/ P*						
Dimensions	72 (W) x 72 (H) x 93 (D) mm/ 2.83" x 2.83" x 3.66"						
Mass	270 g/ 9.5 oz	300 g/ 10.6 oz	290 g/ 10.2 oz	280 g/ 9.9 oz	340 g/ 12.0 oz	300 g/ 10.6 oz	

*Use the MT10 detector (option) for connection to the DT12N/P gauge.

Dimensions

