

# LT20 Series

## 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  $\mu$ m
- 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, backlit LCD display, mode indication					
Display resolution	0.5, 1, 5 or 10 $\mu$ m 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					
	—	Set via BCD terminal	Setting and start via RS-232C	—	Set via BCD terminal	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/ 9.52 oz	300 g/ 10.58 oz	290 g/ 10.23 oz	280 g/ 9.88 oz	340 g/ 11.99 oz	300 g/ 10.58 oz

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

## Dimensions

