LH61

Programmable multifunction display

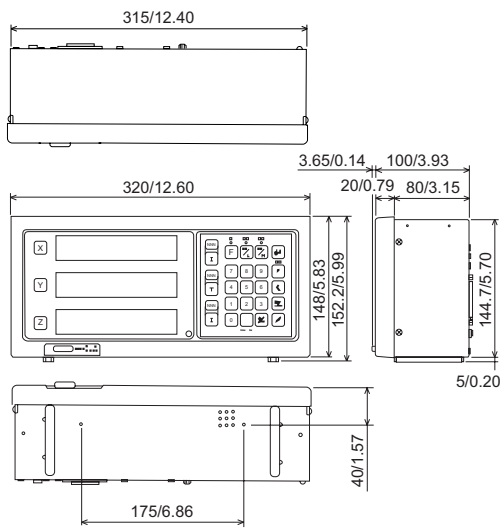
- Programming (Manual/Playback): up to 480 steps
- Selectable resolution
- Selectable ABS/INC display
- Linear error compensation
- Multifunction: reset, preset, recall, data storage, datum point memory, touch sensor, bolt hole circle, midpoint calculation, scaling and zero point detection
- RS-232C interface
- Inch/Metric display

Specifications

Model	LH61-2	LH61-3
No. of connectable axes	2	3
No. of display axes	2	3
Display	7 digits, VFD vacuum fluorescent display tube, mode indication (leading zero suppress, floating minus sign)	
Display resolution	Varies with the transducer (0.5 µm with Magnescale)	
Max. response speed	Varies with the transducer (60 m/ min with Magnescale)	
Reset	Reset key operation or external reset	
Preset	By key operation	
Recall	Data stored by preset can be recalled by key operations	
Linear error compensation	When the table moves a certain distance, a unit length is added or subtracted from the displayed value (linear compensation); 256 compensation values; maximum: ± 600 µm/m	
Absolute/Incremental	With the datum point set at any point on the scale, the absolute distance from the datum point can be displayed while machining in the INC mode	
Datum point memory	Max. 10 datum points can be set by key operation	
Touch sensor	Used with the optional Touch Sensor, LH61 detects the datum plane 1. Hold 2. Load 3. Centering	
Zero point detection	Used with a transducer having a zero point, LH61 detects the zero point and reproduces a datum point	
Programming	1. Programming in manual mode 2. Programming by playback during machining; max. 480 steps can be programmed. Mirror image function (the sign (+/-) of the position data can be reversed in each axis independently while executing a program)	
Bolt hole circle	Number of divisions: 2 to 360; offset angle: 0˚ to 359.999˚ in 0.001˚ steps	
Midpoint calculation	In the INC mode, the displayed value can be halved by a simple key operation	
Scaling	Compensating ratio: 0.100000 to 9.999999	
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. Scale disconnected	
RS-232C interface	1200/2400/4800/9600 bps; odd or even parity or neither of them; data bit 7,8; stop bit 1, 2; data processing speed: approx. 5.5 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% 50/60 Hz	
Power consumption	Max. 35 VA	
Mass	Approx. 2.5 kg/ 5.51 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