

# Linear Height LH-600E

## SERIES 518 — High-Performance 2D Measurement System

### FEATURES

- Excellent accuracy of  $(1.1+0.6L/600)\mu\text{m}$  with  $0.1\mu\text{m}/0.5\mu\text{m}$  resolution/repeatability.
- Perpendicularity (frontal) of  $5\mu\text{m}$  and straightness of  $4\mu\text{m}$  are guaranteed.
- Pneumatic full/semi-floating system allows adjustment of air-cushion height.
- Basic statistical functions are provided and, additionally, RS-232C / USB data output provides the option of evaluating measurement data externally with SPC software on a PC.
- One-key operation for running a semi-automatic measurement.
- Data entry from a Digimatic tool.

With power grip



518-351A-21

### SPECIFICATIONS

Inch/Metric		518-351A-21	518-352A-21 w/power grip
Order No.		LH-600E	LH-600EG
Model		LH-600E	LH-600EG
Measuring Range (stroke)		0-38" (24") / 0-972mm(600mm)	
Resolution (selectable)		.000001"/.00001"/.0001"/.001"/ 0.0001mm/0.001mm/0.01mm/0.1mm	
Accuracy at 20°C	Measuring accuracy	$(43+L^*)\mu\text{in}$ / $(1.1 + 0.6L^{**}/600)\mu\text{m}$	
	Repeatability (2s)	Plane: .000015"/0.4 $\mu\text{m}$ Bore: .000035"/0.9 $\mu\text{m}$	
	Perpendicularity	.0002"/5 $\mu\text{m}$	
	Straightness	.0002"/4 $\mu\text{m}$	
Drive Method		Motor Drive (5, 10, 15, 20, 25, 30, 40mm/s=7 steps) / manual	
Measuring Force		1N	
Balancing Method		Counter balance	
Main Unit Floating Method		Full/semi-floating with air	
Air Source		Built-in air compressor	
LCD		TFT LCD (color)	
Language for Display		English/German/French/Spanish/Italian/Japanese	
Number of Programs		50 (max.)	
Number of Datas		60,000 (max.) 1 program 30,000 (Max.)	
Power Supply		AC Adapter/Battery (Ni-MH)	
Power Consumption		43VA	
Operation Time		Approx. 5 hours	
Standard Accessories		$\varnothing$ 5 Eccentric probe (12AAF634) Probe diameter calibration block (12AAA715) Battery (12AAF712) AC adapter (357651), Power Cable (02ZAA010) Clear Cover (223587) Conveying handle (510434)	
Mass		24kg	24.5kg

L\* = Measuring length (inch) L\*\* = Measuring length (mm)



### Technical Data

Measuring range: 0 - 38" / 0 - 972mm  
 Slider stroke: 24" / 600mm  
 Resolution: .000001" / .00001" / .0001" / .001" or  
 (switchable) 0.0001 / 0.001 / 0.01 / 0.1mm /  
 0.001 / 0.01 / 0.1 / 0.1mm  
 Accuracy at 20°C: Refer to the list of specifications  
 Floating method: Full / semi-floating with built-in air  
 compressor  
 Display: TFT LCD (color)



5.7" color LCD