

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		
Order No.	518-351A-21	518-352A-21 w/power grip
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"/0.4μm Bore: .000035"/0.9μm
	Perpendicularity	.0002"/5μm
	Straightness	.0002"/4μm
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	ø5 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 /
 0.0001 / 0.001 / 0.01 / 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