

## Specifications

Model		LH-600F	LH-600FG
Order No.	inch/mm	518-360-13	518-361-13
Power grip		without power grip	with power grip
Measuring range (Stroke)		0 to 977 mm (600 mm) 0 to 38 in (24 in)	
Resolution		0.0001/ 0.001/ 0.01/ 0.1 mm (selectable) 0.000001/ 0.00001/ 0.0001/ 0.001 in (selectable)	
Accuracy (at 20 °C)	Indication accuracy* <sup>8</sup>	$\pm (1.1 + 0.6L / 600) \mu\text{m}$ , L= Measured length (mm)	
	Repeatability* <sup>8</sup>	Plane: 0.4 $\mu\text{m}$ (2 $\sigma$ ), Hole: 0.9 $\mu\text{m}$ (2 $\sigma$ )	
	Perpendicularity (forward and backward)* <sup>9</sup>	5 $\mu\text{m}$ (after compensation)	
	Straightness (forward and backward)* <sup>9</sup>	4 $\mu\text{m}$ (mechanical accuracy)	
Driving method(speed)		Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps) / Manual	
Scale unit		Photoelectric incremental encoder STVC-20Z	
Measuring force		1 N (automatic constant-force function)	
Main unit moving mode		Full-floating (moving) / Semi-floating (measuring) Air bearing (built-in compressor)	
Display unit		8.4 inch touch-screen, LCD	
Adjustment of display unit		Stepless tilt adjustment: 0 to 40° Stepless swivel adjustment: -30 to 180°	
Preventive maintenance		Scale status notification, calibration schedule notification	
Probe diameter compensation		· Semi-automatic compensation using the probe diameter calibration block (standard accessory) · Compensation by inputting the probe diameter	
Power supply		AC adapter 100-240V $\pm$ 10% 50/60Hz/ Battery (NiMH)	
Battery operation time* <sup>10</sup>		Battery powered(standard): 4 hours, Powered by 2 batteries: 8 hours	
Battery charging time* <sup>11</sup>		Approx. 3.5 hours (can be used while charging)	
Dimensions (WxDxH)		238 (W) x 492 (D) x 996 (H) mm	
Mass		26.1 kg	26.6 kg
Operating temperature / humidity ranges		5 to 40 °C/ 20 to 80% RH (non-condensing)	
Data output		Digimatic d2/ S1 (bi-directional communication)	

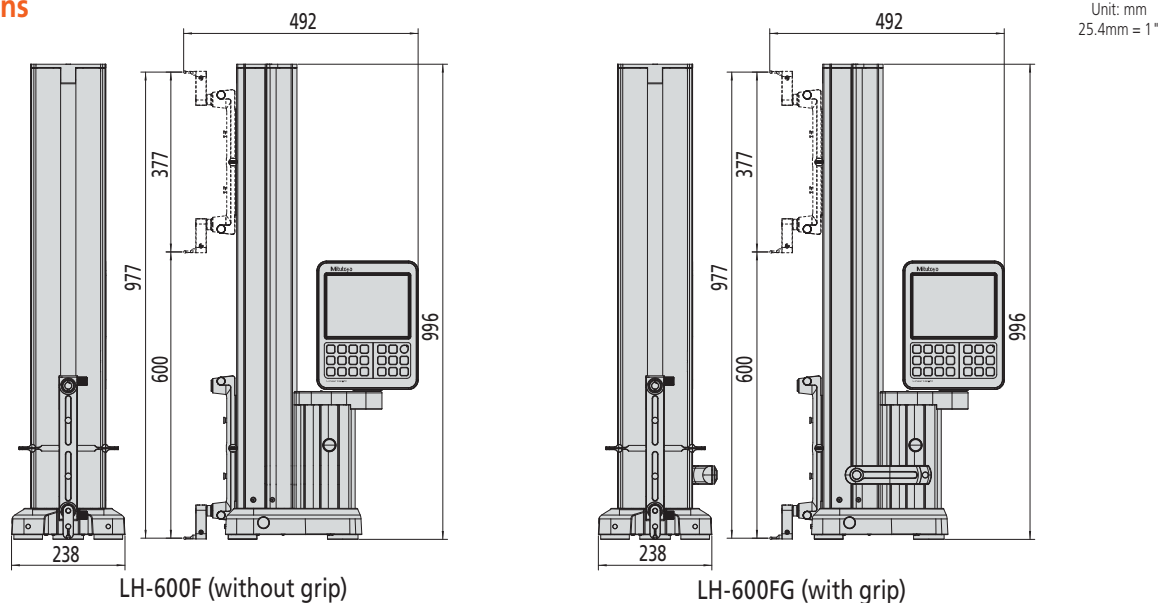
\*8: Specification determined at in-house ambient temperature

\*10: In-house standard(floating and motor-driven vertical movement, operated at 25%)

\*9: Guaranteed when using the Lever Head (519-521) and Mu-Checker (519-561).

\*11: When ambient temperature is 30 °C or higher, the battery may not be charged sufficiently.

## Dimensions



## Standard accessories

Ø5 stepped probe, ball-diameter compensation block (with cover and base), auxiliary weight (2 pcs. pre-mounted), battery pack (1 pc)<sup>\*12</sup>, AC adapter, power cable for AC adapter (optional), clear cover, conveying handle, cap, hex wrench, manual set, inspection certificate, Touch pen, protective sheet, Phillips screwdriver

\*12: One piece included as standard. Optional additional battery (using total of two batteries) for longer battery-powered operation.

## Special accessories

Additional battery pack (Part No.: **12AAF712**), model workpiece (Part No.: **12AAA879**)