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## Linear Height LH-600F, Metric/Inch

0-600mm, without Grip, without Power Cord

Item number: 518-360-13

£8,400.00 inc. VAT

£7,000.00 ex. VAT









**DATA SHEET** 



#### Description

The Linear Heigth LH-600F/FG is a high-end 2D height-measuring in exhibiting the perfect combination of intuitive operation, multifund and extraordinary accuracy.

- Measurement operations can be performed by using th hybrid α box with a touch screen and integrated sheet keyboard
- It is capable of measuring with a digital step of 0.1μm
- Excellent accuracy of (1.1 + 0.6L/600) μm
- Bidirectional Digimatic data output (Digimatic S1)
- Measurement results can be printed from a receipt printer or D Printer (DP-1VA) and sent to a PC via wireless communication, U USB -Stick
- Pneumatic drive mechanism
- Automatic running of pre-learned part programs
- Excellent visualization of GO/±NG tolerance comparisons
- Independent operation with rechargeable battery
- LH-Communication Tool Software available online free of charge
- Dimension L 492 mm x W 238 mm x H 996 mm

<sup>\*</sup>power cable (02ZAA021) needed, please order separately

# **M**itutoyo

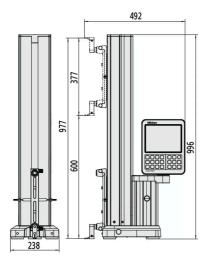


Digital/Analog: Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digital/Digita	Model:	LH-600F
transmission), RS-232C (for receipt printer), USB-8 (for PC), stick) stick)  Delivered:  In a cardboard box with setting block for probe calibration mm, battery pack, touch pen for touch screen, protective s AC-Adjater, cap for conveying handles (2 pcs), conveying landles (2 pcs), conveying	Digital/Analog:	Digital
Range:  0.977 mm  Slider stroke: 600 mm  Digital step: 0.0001/0.0	Interface:	transmission), RS-232C (for receipt printer), USB-B (for PC),
Slider stroke: 600 mm  Digital step: 0,00017 0,0017 0,0017 0,0011 mm or 0,0000017 0,00	Delivered:	mm, battery pack, touch pen for touch screen, protective s
Digital step:       0,0001 / 0,001 / 0,001 / 0,001 * 0,0001	Range:	0-977 mm
Remarks: Without power grip  Accuracy: at (1,1 + 6L/600) µm L = length (mm)  Perpendicularity: 5 µm (after compensation)  Straightness: 4 µm (mechanical)  Repeatability: (2α) Plane : 0.4 µm (mechanical)  Air floating: Full-floating (for moving), semi floating (for scanning meas dealing)  Air floating: Full-floating (for moving), semi floating (for scanning meas dealing)  Mass: 26.1 kg  Balancing method: Counterbalance  Drive method: Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man stilliding method: Rolling bearing  Slidding method: Manual adjustment by adding/removing auxiliary weights  Scale: Photoelectric INC encoder, STVC-20Z (8.1×10-6/K)  Display: 8.4" SVGA touch screen (800x600 dot, LED, with back lights  Language for display: English / German / French / Spanish / Italian / Dutch / Ports Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Pinnish / Traditional Chinese / Korean  Adjustment range of display unit orientation: Tilt direction: 0-40°, swivel direction: -30-180°  Power supply: AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time: Approx. 4 hours  Battery charging time: Approx. 4 hours  Battery charging time: Approx. 4 hours  Number of stored part programs: 50  Preventive maintenance function: Scale status notification, calibration status notification	Slider stroke:	600 mm
Accuracy:    \( \frac{1}{1} + 6L/500) \) \( \text{pm} \)   \( \text{L = length (mm)} \)   \( \text{Perpendicularity:} \)   \( \text{5 pm (after compensation)} \)   \( \text{Straightness:} \)   \( 4 \) \( \text{pm (mechanical)} \)   \( \text{Repeatability:} \)   \( \text{(2a) Plane: 0.4 pm (2a) Bore: 0.9 pm} \)   \( \text{Air floating:} \)   \( \text{Full-floating (for moving), semi floating (for scanning meas)} \)   \( \text{Mass:} \)   \( \text{26.1 kg} \)   \( \text{Balancing method:} \)   \( \text{Counterbalance} \)   \( \text{Drive method:} \)   \( \text{Solding bearing} \)   \( \text{Silding method:} \)   \( \text{Solding bearing} \)   \( \text{Silder balance adjustment method:} \)   \( \text{Bolling bearing} \)   \( \text{Silder balance adjustment method:} \)   \( \text{Manual adjustment by adding/removing auxiliary weights \)   \( \text{Scale:} \)   \( \text{Photoelectric INC encoder, STVC-20 (28.1x10-6/K) \)   \( \text{Display:} \)   \( \text{Balance adjustment method:} \)   \( \text{Balance adjustment py adding/removing auxiliary weights \)   \( \text{Scale:} \)   \( \text{Photoelectric INC encoder, STVC-200 (28.1x10-6/K) \)   \( \text{Display:} \)   \( \text{Balance adjustment py adding/removing auxiliary weights \)   \( \text{Scale:} \)   \( \text{Photoelectric INC encoder, STVC-200 (28.1x10-6/K) \)   \( \text{Balance adjustment py adding/removing auxiliary weights \)   \( \text{Scale:} \)   \( \text{Photoelectric INC encoder, STVC-200 (28.1x10-6/K) \)   \( \text{Balance adjustment py adding/removing auxiliary weights \)   \( \text{Scale:} \)   \( Photoelectric INC encoder, STVC-200 (28.1x10-6/K) \)   \( \text{Balance adjustment py adding/removing auxiliary weights \)   \( \text{Balance adjustment py adding/removing aux	Digital step:	
L = length (mm)  Perpendicularity: 5 µm (after compensation)  Straightness: 4 µm (mechanical)  Repeatability: (2a) Plane: 0.4 µm (2a) Bore: 0.9 µm  Air floating: Full-floating (for moving), semi floating (for scanning meas data floating)  Mass: 26.1 kg  Balancing method: Counterbalance  Drive method: Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man sliding method: Rolling bearing  Slider balance adjustment method: Manual adjustment by adding/removing auxiliary weights  Scale: Photoelectric INC encoder, STVC-202 (8.1x10-6/K)  Display: 8.4" SVGA touch screen (800x600 dot, LED, with back lightr Language for display: English / German / French / Spanish / Italian / Dutch / Port Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean Adjustment range of display unit orientation: Tilt direction: 0-40°, swivel direction: -30-180°  Power supply: AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time: Approx. 4 hours  Battery charging time: Approx. 4 hours  Battery charging time: Approx. 4 hours  Number of stored part programs: 50  Preventive maintenance function: Scale status notification, calibration status notification	Remarks:	Without power grip
Straightness: 4 µm (mechanical)  Repeatability: (20) Plane: 0,4 µm (20) Bore: 0,9 µm  Air floating: Full-floating (for moving), semi floating (for scanning meas Mass: 26.1 kg  Balancing method: Counterbalance  Drive method: Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Sliding method: Rolling bearing  Slider balance adjustment method: Manual adjustment by adding/removing auxillary weights  Scale: Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  Display: 8.4" SVGA touch screen (800x600 dot, LED, with back lightr Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean Adjustment range of display unit orientation: Tilt direction: -90-40°, swivel direction: -90-180°  Power supply: AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery charging time: Appr. 3,5 h  Power consumption: Max. 49.9 W  Number of stored part programs: 50  Preventive maintenance function: Scale status notification, calibration status notification	Accuracy:	
Repeatability: (20) Plane: 0,4 µm (20) Bore: 0,9 µm  Air floating: Full-floating (for moving), semi floating (for scanning meas   Mass: 26.1 kg  Balancing method: Counterbalance  Drive method: Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man   Sliding method: Rolling bearing  Slider balance adjustment method: Manual adjustment by adding/removing auxiliary weights   Scale: Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  Display: 8.4" SVGA touch screen (800x600 dot, LED, with back lightr   Language for display: English / German / French / Spanish / Italian / Dutch / Port   Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean   Adjustment range of display unit orientation: Tilt direction: 0-40°, swivel direction: -30-180°   Power supply: AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time: Approx. 4 hours  Battery charging time: Approx. 4 hours  Max. 49.9 W  Number of stored part programs: 50  Preventive maintenance function: Scale status notification, calibration status notification	Perpendicularity:	5 μm (after compensation)
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Mass:       26.1 kg         Balancing method:       Counterbalance         Drive method:       Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man         Sliding method:       Rolling bearing         Slider balance adjustment method:       Manual adjustment by adding/removing auxiliary weights         Scale:       Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)         Display:       8.4" SVGA touch screen (800x600 dot, LED, with back lightr         Language for display:       English / German / French / Spanish / Italian / Dutch / Porti Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean         Adjustment range of display unit orientation:       Tilt direction: 0-40°, swivel direction: -30-180°         Power supply:       AC adapter 100-240V, 50/60Hz / battery (Ni-MH)         Battery operation time:       Approx. 4 hours         Battery charging time:       Appr. 3,5 h         Power consumption:       Max. 49.9 W         Number of stored part programs:       50         Preventive maintenance function:       Scale status notification, calibration status notification	Repeatability:	·
Balancing method:  Drive method:  Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Sliding method:  Rolling bearing  Slider balance adjustment method:  Manual adjustment by adding/removing auxiliary weights  Scale:  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  Display:  8.4" SVGA touch screen (800x600 dot, LED, with back lightr  Language for display:  English / German / French / Spanish / Italian / Dutch / Portt Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean  Adjustment range of display unit orientation:  Tilt direction: 0-40°, swivel direction: -30-180°  Power supply:  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time:  Approx. 4 hours  Battery charging time:  Appr. 3,5 h  Power consumption:  Max. 49.9 W  Number of stored part programs:  50  Preventive maintenance function: Scale status notification, calibration status notification	Air floating:	Full-floating (for moving), semi floating (for scanning meas
Drive method:  Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man  Sliding method:  Rolling bearing  Slider balance adjustment method:  Manual adjustment by adding/removing auxiliary weights  Scale:  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  Display:  8.4° SVGA touch screen (800x600 dot, LED, with back lightr  Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean  Adjustment range of display unit orientation:  Tilt direction: 0-40°, swivel direction: -30-180°  Power supply:  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time:  Approx. 4 hours  Battery charging time:  Appr. 3,5 h  Power consumption:  Max. 49.9 W  Number of stored part programs:  50  Preventive maintenance function:	Mass:	26.1 kg
Sliding method:  Slider balance adjustment method:  Manual adjustment by adding/removing auxiliary weights  Scale:  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  Display:  8.4" SVGA touch screen (800x600 dot, LED, with back lightr Turkish / German / French / Spanish / Italian / Dutch / Ports Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean  Adjustment range of display unit orientation:  Tilt direction: 0-40°, swivel direction: -30-180°  Power supply:  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time:  Approx. 4 hours  Battery charging time:  Appr. 3,5 h  Power consumption:  Max. 49.9 W  Number of stored part programs:  50  Preventive maintenance function:  Scale status notification, calibration status notification		
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Power supply:  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Battery operation time:  Approx. 4 hours  Appr. 3,5 h  Power consumption:  Max. 49.9 W  Number of stored part programs:  50  Preventive maintenance function:  Scale status notification, calibration status notification	Drive method:  Sliding method:  Slider balance adjustment method:  Scale:	Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Rolling bearing  Manual adjustment by adding/removing auxiliary weights  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)
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	Drive method:  Sliding method:  Slider balance adjustment method:  Scale:  Display:  Language for display:  Adjustment range of display unit orientation:  Power supply:  Battery operation time:  Battery charging time:	Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Rolling bearing  Manual adjustment by adding/removing auxiliary weights  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  8.4" SVGA touch screen (800x600 dot, LED, with back lightr  English / German / French / Spanish / Italian / Dutch / Porti Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean  Tilt direction: 0-40°, swivel direction: -30-180°  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Approx. 4 hours  Appr. 3,5 h
Operating humidity: 20-80% RH (no condensation)	Drive method:  Sliding method:  Slider balance adjustment method:  Scale:  Display:  Language for display:  Adjustment range of display unit orientation:  Power supply:  Battery operation time:  Battery charging time:  Power consumption:	Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Rolling bearing  Manual adjustment by adding/removing auxiliary weights Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  8.4" SVGA touch screen (800x600 dot, LED, with back lightr English / German / French / Spanish / Italian / Dutch / Porti Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean Tilt direction: 0-40°, swivel direction: -30-180°  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Approx. 4 hours  Appr. 3,5 h  Max. 49.9 W
	Drive method:  Sliding method:  Slider balance adjustment method:  Scale:  Display:  Language for display:  Adjustment range of display unit orientation:  Power supply:  Battery operation time:  Battery charging time:  Power consumption:  Number of stored part programs:	Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ man Rolling bearing  Manual adjustment by adding/removing auxiliary weights  Photoelectric INC encoder, STVC-20Z (8.1x10-6/K)  8.4" SVGA touch screen (800x600 dot, LED, with back lightr  English / German / French / Spanish / Italian / Dutch / Porti Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Finnish / Traditional Chinese / Simplified Chinese / Korean  Tilt direction: 0-40°, swivel direction: -30-180°  AC adapter 100-240V, 50/60Hz / battery (Ni-MH)  Approx. 4 hours  Appr. 3,5 h  Max. 49.9 W

## Mitutoyo



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