

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

Item number: 518-360-13

Images





Description

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

- Measurement operations can be performed by using the hybrid controller box with a touch screen and integrated sheet keyboard
- It is capable of measuring with a digital step of 0.1 μm
- 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 Digimatic Printer (DP-1VA) and sent to a PC via wireless communication, USB cable or 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

**power cable (02ZAA021) needed, please order separately*

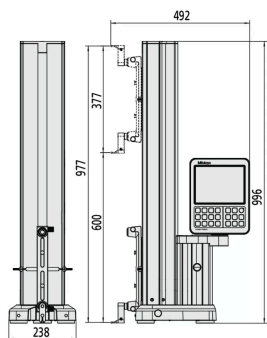
Features

Model:	LH-600F
Digital/Analog:	Digital
Interface:	Digimatic S1 bidirectional (for wireless data transmission, Digimatic data transmission), RS-232C (for receipt printer), USB-B (for PC), UAB-A (for memory stick)
Range:	0-977 mm
Slider stroke:	600 mm
Digital step:	0.0001/ 0.001/ 0.01/ 0.1 mm or 0.000001/ 0.00001/ 0.0001/ 0.001"
Remarks:	Without power grip
Accuracy:	$\pm(1,1 + 0,6L/600)$ μm L = length (mm)
Perpendicularity:	5 μm (after compensation)
Straightness:	4 μm (mechanical)
Repeatability:	(2σ) Plane : 0,4 μm (2σ) Bore : 0,9 μm
Air floating:	Full-floating (for moving), semi floating (for scanning measurement)
Mass:	26.1 kg
Delivered:	In a cardboard box with setting block for probe calibration, ball offset probe D=5 mm, battery pack, touch pen for touch screen, protective sheet for touch screen,

AC-Adapter, cap for conveying handles (2 pcs.), conveying handles (2 pcs.)

Balancing method:	Counterbalance
Drive method:	Motor-driven (5, 10, 15, 20, 25, 30, 40 mm/s: 7 steps)/ manual
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 lightning)
Language for display:	English / German / French / Spanish / Italian / Dutch / Portuguese / Swedish / Turkish / Czech / Hungarian / Slovenian / Polish / Russian / Romanian / Bulgarian / Finnish / Traditional Chinese / Simplified Chinese / Korean / Japanese
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
Operating humidity:	20-80% RH (no condensation)
Airborne noise:	70dB(A)
Inch-Metric:	Metric/Inch


Dimensions



Accessories

Optional accessories:

Ball Probe Coaxial Type

D=1mm, 72mm Length
Art No. 12AAF666
Suggested retail price: 201.00 €*


Promotion!

Mitutoyo

MiCAT

the standard in world
metrology software
MeasurLink®

USB-ITPAK Vers. 3.0

USB Dongle + Manual (Software available
Online)


Art No. 06AGR543

Promo price: **268.00 €***


Suggested retail price: ~~340.00 €*~~

USB-ITPAK



Ball Probe Coaxial Type

D=2mm, 72mm Length
Art No. 957261
Suggested retail price: 114.00 €*


Ball Probe Coaxial Type

D=2mm, Ruby, 72mm Length
Art No. 12AAF667
Suggested retail price: 319.00 €*


Ball Probe Coaxial Type

D=3mm, 72mm Length
Art No. 957262
Suggested retail price: 120.00 €*


Ball Probe Coaxial Type

D=4mm, 76mm Length
Art No. 957263
Suggested retail price: 132.00 €*



Ball Probe, Coaxial Type

D=10mm
Art No. 12AAB552
Suggested retail price: 185.00 €*



Ball Probe Coaxial Type

D=10mm, 82mm Length
Art No. 12AAF668
Suggested retail price: 230.00 €*



Ball Probe Coaxial Type

D=10mm, 120mm Length
Art No. 12AAF669
Suggested retail price: 251.00 €*



Disk Probe Coaxial Type

D=5mm, 75mm Length
Art No. 12AAF670
Suggested retail price: 222.00 €*



Disk Probe Coaxial Type

D=10mm, 59mm Length
Art No. 12AAF671
Suggested retail price: 177.00 €*



Disk Probe Coaxial Type

D=14mm, 59mm Length
Art No. 957264
Suggested retail price: 234.00 €*



Disk Probe Coaxial Type

D=20mm, 48mm Length
Art No. 957265
Suggested retail price: 293.00 €*



Disk Stylus, Coaxial Type

D=25mm, 99,5mm Length
Art No. 12AAY598
Suggested retail price: 193.00 €*



Ball Probe Eccentric Type

D=1mm
Art No. 12AAF672
Suggested retail price: 179.00 €*



Ball Probe Eccentric Type



D=2mm
Art No. 12AAF673
Suggested retail price: 240.00 €*

Ball Probe Eccentric Type



D=4mm
Art No. 12AAA788
Suggested retail price: 81.00 €*

Ball Probe Eccentric Type



D=6mm
Art No. 12AAA789
Suggested retail price: 87.00 €*

Stylus, Eccentric Type



D=5mm, 130mm Length
Art No. 12AAY597
Suggested retail price: 519.00 €*

CMM Stylus Adapter M2



Art No. 226117
Suggested retail price: 57.00 €*



CMM Stylus Adapter M3

Art No. 226118

Suggested retail price: 57.00 €*



Depth Stylus for Height Gauge

for max. 70mm Depth

Art No. 12AAY599

Suggested retail price: 135.00 €*



Depth Stylus for Height Gauge

for max. 150mm Depth

Art No. 12AAY600

Suggested retail price: 155.00 €*



Depth Stylus for Height Gauge

for max. 300mm Depth

Art No. 12AAY601

Suggested retail price: 155.00 €*



Depth Stylus for Height Gauge

Offset Type, for max. 70mm Depth, D=2mm
Ball

Art No. 12AAY602

Suggested retail price: 231.00 €*

Depth Stylus for Height Gauge

Offset Type, for max. 150mm Depth,
D=2mm Ball

Art No. 12AAY603

Suggested retail price: 250.00 €*



Depth Stylus for Height Gauge

Offset Type, for max. 300mm Depth,
D=2mm Ball

Art No. 12AAY604

Suggested retail price: 250.00 €*



Depth Stylus for Height Gauge

Offset Type, for max. 70mm Depth, D=4mm
Ball

Art No. 12AAY605

Suggested retail price: 213.00 €*



Depth Stylus for Height Gauge

Offset Type, for max. 150mm Depth,
D=4mm Ball

Art No. 12AAY606

Suggested retail price: 213.00 €*



Depth Stylus for Height Gauge

Offset Type, for max. 300mm Depth,
D=4mm Ball

Art No. 12AAY607

Suggested retail price: 231.00 €*



Extension Holder, 100mm

for Height Gauge
Art No. 12AAY595
Suggested retail price: 270.00 €*



Extension Holder, 200mm

for Height Gauge
Art No. 12AAY596
Suggested retail price: 310.00 €*



Depth Probe for Height Gauge

90mm Reach
Art No. 12AAC072
Suggested retail price: 201.00 €*



M3 Stylus adapter for LH-600

to be used with 12AAC072
Art No. K651028
Suggested retail price: 41.00 €*



Indicator Holder LH-600

For 8mm Stem
Art No. 12AAA792
Suggested retail price: 134.00 €*





Probe Extension Holder, Height Gauge

85mm

Art No. 12AAA793

Suggested retail price: 134.00 €*



Tapered Measuring Insert

D=22mm

Art No. 12AAC073

Suggested retail price: 161.00 €*



Setting Block Linear Height/QM-Height

Probe Calibration and Taper Probe

Art No. 12AAA787

Suggested retail price: 287.00 €*

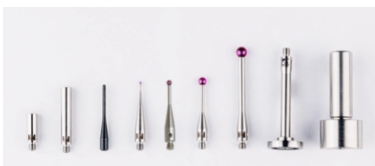


Cylindrical Probe

D=10mm

Art No. 12AAB136

Suggested retail price: 292.00 €*



Stylus Kit M3 for Linear Height

with Holder, 5 Probes, 2 Extensions, 1

Dowel-key

Art No. K650986

Suggested retail price: 452.00 €*



Power Cable CEE Type

for Europe (except UK)
Art No. 02ZAA021
Suggested retail price: 7.70 €*

Receipt Printer for LH-600F/FG

BS Type
Art No. 12AAY484
Suggested retail price: 1,499.00 €*



Printer Paper

Serie 518, LH-600, 10 Rolls
Art No. 12AAN052
Suggested retail price: 224.00 €*



Statistic Processing Printer DP-1VA

Data Printer and Logger CEE Type
Art No. 264-505D
Suggested retail price: 546.00 €*



Statistic Processing Printer DP-1VA

Data Printer and Logger BS Type
Art No. 264-505E
Suggested retail price: 546.00 €*





Digimatic Cable, Straight, 1m

Digimatic/Digimatic 2/Digimatic S1 Interface,
1 m

Art No. 06AGL011

Suggested retail price: 79.00 €*
~~79.00 €~~



Digimatic Cable, Straight, 2m

Digimatic/Digimatic 2/Digimatic S1 Interface,
2 m

Art No. 06AGL021

Suggested retail price: 84.00 €*
~~84.00 €~~

Promotion!



USB Input Tool Interface Box

Digimatic/Digimatic 2/Digimatic S1 Interface
Art No. 264-020

Promo price: 204.00 €*
~~259.00 €~~

Suggested retail price: 259.00 €*
~~259.00 €~~

Promotion!



USB Input Tool Direct (Digimatic to USB)

2m Cable, Digimatic/Digimatic 2/Digimatic
S1 Interface

Art No. 06AGQ001F

Promo price: 129.00 €*
~~164.00 €~~

Suggested retail price: 164.00 €*
~~164.00 €~~

Promotion!



U-WAVE-T, IP67 Type

Wireless Transmitter

Art No. 02AZD730G

Promo price: 129.00 €*
~~187.00 €~~

Suggested retail price: 187.00 €*
~~187.00 €~~

Promotion!



U-WAVE-T, Buzzer Type

Wireless Transmitter

Art No. 02AZD880G

Promo price: **129.00 €***

Suggested retail price: ~~187.00 €*~~



U-WAVE-T Transmitter Mounting Plate

for LH-600F/FG

Art No. 12AAY486

Suggested retail price: **51.00 €***

Promotion!



U-WAVE-R Wireless Receiver

Based on IEEE802.15.4 (2,4 GHz)

Art No. 02AZD810D

Promo price: **249.00 €***

Suggested retail price: ~~371.00 €*~~

Promotion!



U-WAVE fit Bluetooth, IP67 Type

Wireless Transmitter for

Micrometer/Indicator

Art No. 264-626

Promo price: **129.00 €***

Suggested retail price: ~~185.00 €*~~

Promotion!



U-WAVE fit Bluetooth, Buzzer Type

Wireless Transmitter for

Micrometer/Indicator

Art No. 264-627

Promo price: **129.00 €***

Suggested retail price: ~~185.00 €*~~

Promotion!



Connection Cable SF for U-WAVE

for U-WAVE-T and Instruments with
Digimatic S1 Interface
Art No. 02AZG011

Promo price: **86.00 €***

Suggested retail price: ~~131.00 €*~~



USB Cable

A-Type 2m

Art No. 12BAF812

Suggested retail price: **18.50 €***



Sample Work for LH-600, QM-Height

Transparent

Art No. 12AAA879

Suggested retail price: **375.00 €***

Promotion!



Digital Indicator ID-C

12,7mm, 0,0005mm, Flat Back Plate
Art No. 543-700B

Promo price: **349.00 €***

Suggested retail price: ~~446.00 €*~~

Promotion!



Digital Indicator ID-C

Inch/Metric, 0.5", 0.00002", Flat Back Plate
Art No. 543-701B

Promo price: **345.00 €***
Suggested retail price: ~~446.00 €*~~

Inductive Probe Lever Head Design



+0,5mm, appr. 0,2N
Art No. 519-521
Suggested retail price: **330.00 €***



Digital Display Unit for Inductive Probe

with CEE Power Cable
Art No. 519-561D
Suggested retail price: **2,020.00 €***



Digital Display Unit for Inductive Prob

with BS Power Cable (for UK)
Art No. 519-561E
Suggested retail price: **2,020.00 €***

Standard accessories:



D=5mm Ball Stylus

with Stepped Holder
Art No. 12AAY343
Suggested retail price: 279.00 €*



Probe Diameter Calibration Block

Metric/Inch, for LH-600
Art No. 518-060-13
Suggested retail price: 770.00 €*



Probe Diameter Calibration Block Base

LH-600F/FG
Art No. 12AAY658
Suggested retail price: 585.00 €*



Probe Diameter Calibration Block Cover


LH-600F/FG
Art No. 12BAS388
Suggested retail price: 26.50 €*




Battery Pack

for Height Gauge LH-600 C/D/E/F
Art No. 12AAF712
Suggested retail price: 158.00 €*


Touch-Pen

Art No. 12BAR507
Suggested retail price: 0.80 €*



Protective Sheet

Touch Screen LH-600F/FG
Art No. 12BAS384
Suggested retail price: 51.50 €*



Cap for Conveying Handles

LH-600F/FG
Art No. 12BAS276
Suggested retail price: 3.50 €*


Conveying Handles (2 pcs.)

Linear Height, Profile Projector
Art No. 510434
Price on application


AC-Adapter 12V, CEE Type

for SJ-210/SJ-310/LH-600/QM-Data 200
Art No. 357651
Suggested retail price: 87.00 €*


Allen Wrench Nominal 5

Art No. 538618

Suggested retail price: 0.40 €*



Art No. 11BAC147

Suggested retail price: 36.50 €*

