

Height Gauge 300E/600E

Hoyamo

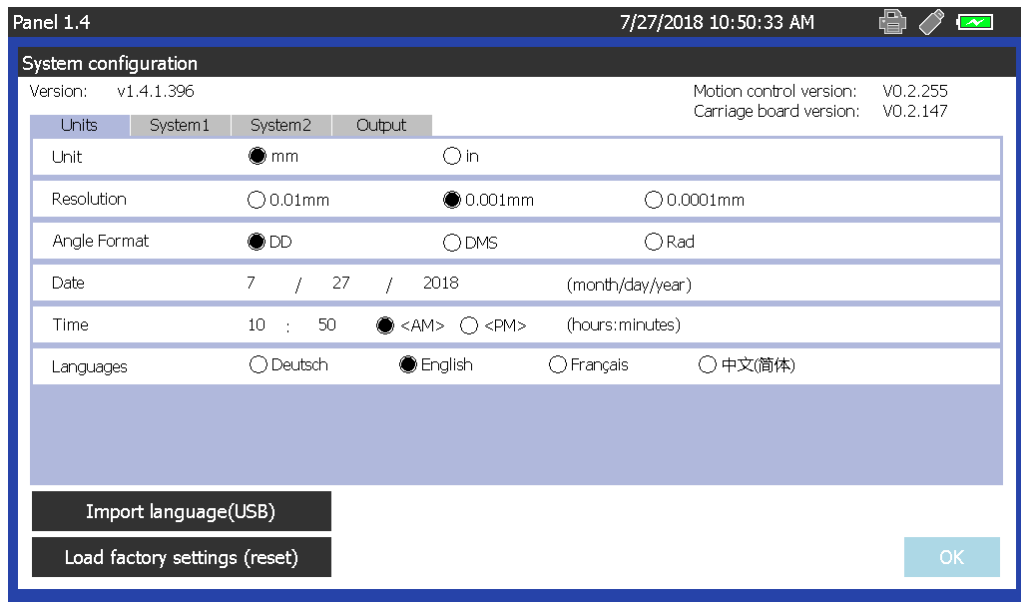
HGS-300E



Software

1.1 Boot Page, Loading, Shutdown Page

1.2 Operation Interface, Blue Border, Symbol



1.3 Language: German, English, French, Chinese

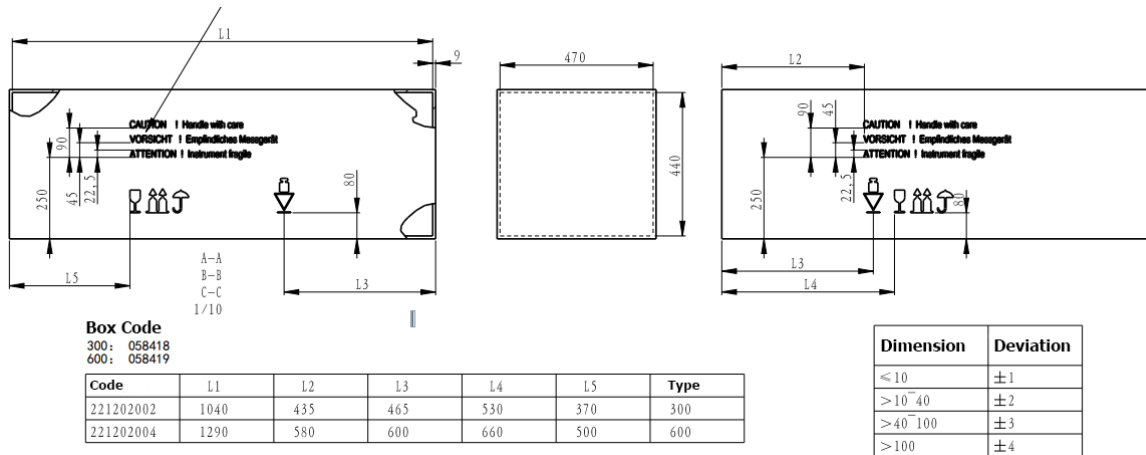
Appearance

1.4 Blue Panel

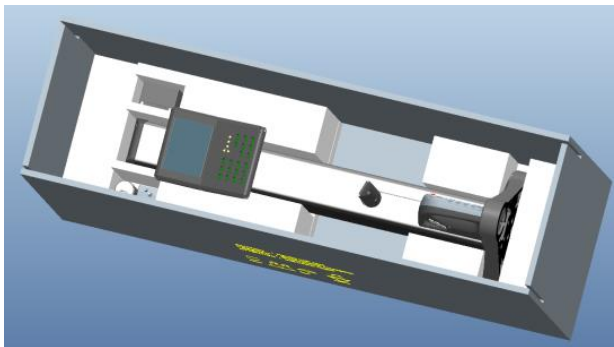


1.5 Packaging:

1.6 Packing-Case:



Carton:



Technical Description

- a) IP Protection Level IP index: IP40
- b) Production Standard: ISO 13225
- c) Power Supply: 12V Rechargeable Batteries; Working More than 8h
- d) Operating Conditions
- e) Calibration:
 - i. Temperature: 20° +/- 2°C
 - ii. Humidity: >40%, <60%
- f) Normal Operating Conditions (Recommend):
 - i. Temperature: 20° +/- 5°C
 - ii. Humidity: <80%
- g) Limit Service Condition
 - i. Temperature: 10 °C to 40 °C
 - ii. Humidity: <80%

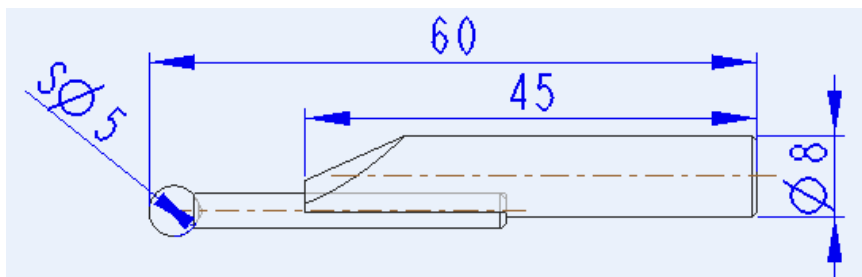
h) Transport and Storage Condition

i. Storage Condition: -10 °C to 60°C

i) Technical Specification:

	HGS-300E	HGS-600E
Measuring Range[mm]	305	610
Measuring Range [mm] Second Extension	570	875
Resolution[mm]	0.01/0.001/0.0001	
Display	Color Display	
Driving System	Motor	
Air System	With Air Pump	
Temperature Compensation System	Basic Type	
Movement Speed	Max 75mm/s (Motor; No Manual)	
System Response Speed	300mm/s	
Force Measuring[N]	1.5+/-0.5	
Needle Check Gauge	Yes	
IP Protection Level	IP 40	
Unit	mm 或 in	
Data Output	USB; VDX	
Certificate	Plant Calibration Report	
Height [mm]	709	1009
Weight [kg]	20	22

*Standard Probe



*Height Gauge Panel DIN 876, 0 degree

Air System: Maximum Pressure 60Kpa, Rated Current 130mA, Nominal Voltage DC12V

j) Measurement Technical Characteristics

Error of span:

Maximum Permissible Errors BMPE: $\pm(2.6 + 5L) \mu\text{m}$ (L in [m]) *

Repeatability RMPE: (Surface) $\leq 1\mu\text{m}^*$

(Bore) $\leq 3\mu\text{m}^*$

No Perpendicularity Requirement (SMPE)

*Standard Probe and Calibration Environment

k) Software Function

Number	Functional Description
1	Boot displays current software version
2	Start: The probe moves automatically and pass through the reference point
3	Probe Check Gauge: The measuring equipment shall obtain the probe constant.
4	Ditch detection
5	Thickness Detection
6	Aperture measurement (inside diameter)
7	Axle Diameter Detection (outer circle)
8	Angle detection
9	Min/Max/ Δ /Av Maximum and minimum detection
10	Tolerance Mode
11	Unit: in/mm
12	Resolution: 0.01/0.001/0.0001mm
13	Calculate the midpoint distance and height difference
14	Reference point setting (0-3) and Zero setting (0.000mm)
15	2D Measuring