

# HEIGHT GAGE PART NO. ISH-M600

CUSTOM PROBE,  
THE MAXIMUM LENGTH IS 4"

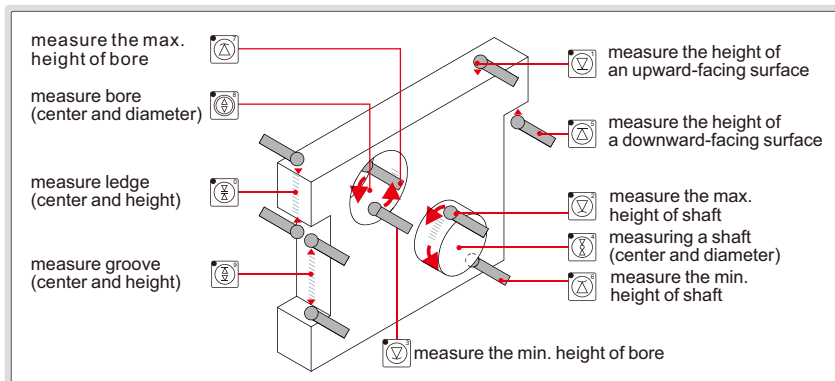
DATA  
OUTPUT

**INSPECTION  
CERTIFICATE**



- Language: English, Czech, Chinese, Italian, France, German, Polish
- 1D and 2D measurements
- Off-line part programming for increased measurement efficiency
- Squareness measurement with compensation
- Integrated temperature sensor for temperature compensation
- Air bearing system for light and smooth movement
- Touch button screen
- LED display with backlight
- Built-in rechargeable battery, for 6 hours continuous working

## 1D MEASUREMENT



## 2D MEASUREMENT

- 2D**
- measure distance between two points
  - measure angle with three points
  - measure pitch-circle
  - coordinate transformation
  - Max. 300 measuring step memories

## ADVANCED MEASUREMENT

- maximum, minimum, run-out
- angle measurement
- squareness measurement

## PROGRAM MEASUREMENT

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- Off-line part programming for increased measurement efficiency
  - Max. 100 measuring programs memories
  - low and high limits setting with judgement
  - statistical evaluation based on stored measurement data, and create histograms

## CALCULATION FUNCTIONS

- calculate the distance between 2 measured values
- calculate average between 2 measured values

To be continued

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**SPECIFICATION**

<b>Measuring range</b>	0 - 24"
<b>Maximum expandable range</b>	36"
<b>Squareness (with squareness probe)</b>	.0002"
<b>Resolution</b>	.00001", .0001", .001"
<b>Accuracy</b>	(79+10L/3) $\mu$ m, L is the measuring length in inch (The environment temperature is 68°F)
<b>Repeatability</b>	.00004"
<b>Measuring force</b>	.225 $\pm$ .045lbf
<b>Data output</b>	USB or RS232
<b>Power</b>	rechargeable battery
<b>Working temperature</b>	50°F - 104°F
<b>Weight</b>	46.34lbs

**STANDARD DELIVERY**

<b>Main unit</b>	1pc
<b>.236"DIA ruby ball probe</b>	1pc
<b>Probe calibration block</b>	1pc
<b>Software disc</b>	1pc
<b>USB cable</b>	1pc
<b>AC/DC adapter</b>	1pc

**OPTIONAL ACCESSORY**

<b>probes</b>	see below
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<p>.079"DIA ruby ball probe, length 1.890" part no. <b>ISH-M-R2</b></p>	<p>.118"DIA ruby ball probe, length 1.890" part no. <b>ISH-M-R3</b></p>	<p>.157"DIA carbide ball probe, length 1.890" part no. <b>ISH-M-C4</b></p>
<p>.157"DIA carbide ball probe, length 2.835" part no. <b>ISH-M-C4A</b></p>	<p>.157"DIA carbide ball probe, length 3.937" part no. <b>ISH-M-C4B</b></p>	<p>steel pin probe for groove, length 3.150" part no. <b>ISH-M-DP</b></p>
<p>.394"DIA carbide ball probe, length 3.937" part no. <b>ISH-M-C10</b></p>	<p>.394"DIA disc probe, length 1.890" part no. <b>ISH-M-D10</b></p>	
<p>.059"DIA carbide depth probe, length 1.890" part no. <b>ISH-M-S105</b></p>	<p>.079"DIA carbide depth probe, length 1.890" part no. <b>ISH-M-S2</b></p>	<p>squareness probe with holder part no. <b>ISH-M-SQA</b></p>

**Probe Set (Part No. ISH-M-KIT)**

usage of probe		mounting base		extension rod	
<p>.039"DIA ruby ball probe, repeatability: .0002"</p>	<p>.118"DIA carbide ball probe, repeatability: .0001"</p>	<p>.079"DIA carbide ball probe, repeatability: .00016"</p>	<p>probe for hole, repeatability: .0005"</p>	<p>steel pin probe for deep, repeatability: .00008"</p>	<p>probe for groove, repeatability: .0002"</p>