

2D MOTORIZED HEIGHT GAGE CODE ISH-M700

TOUCH
SCREEN

CUSTOM PROBE,
THE MAXIMUM LENGTH IS 300mm

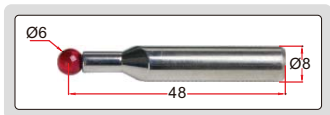
AIR BEARING
BASE

DATA
OUTPUT

**INSPECTION
CERTIFICATE**



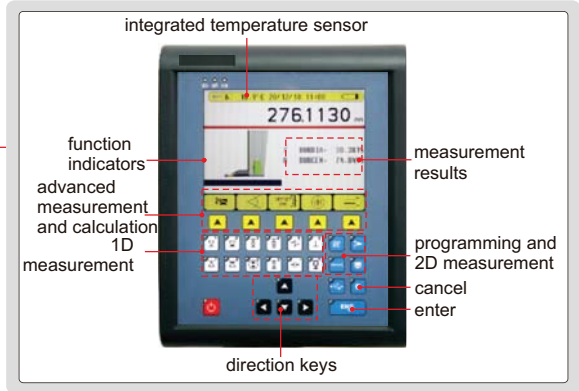
expandable
measurement range



Ø6mm ruby ball probe(included)



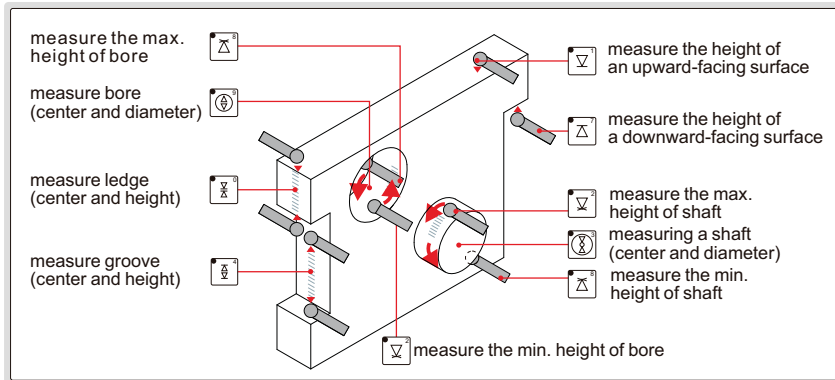
air bearing system



integrated temperature sensor
function indicators
advanced measurement and calculation
1D measurement
direction keys
measurement results
programming and 2D measurement
cancel
enter
controller

- 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
- LCD display with backlight
- Built-in rechargeable battery, for 16 hours continuous working

1D MEASUREMENT



software CD
(included)

2D MEASUREMENT



- 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



- Off-line part programming for increased measurement efficiency
- Max.5 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



set the tolerance

To be continued

Continued from previous page

SPECIFICATION

Measuring range	0~700mm
Maximum expandable range	1015mm
Squareness (with squareness probe)	6μm
Resolution	0.5μm, 1μm, 10μm
Accuracy	(2+L/300)μm, L is the measuring length in mm (The environment temperature is 20°C)
Repeatability	1μm
Measuring force	1±0.2N
Data output	USB or RS232
Power	rechargeable battery
Working temperature	10°C~40°C
Weight	27kg

STANDARD DELIVERY

Main unit	1pc
Ø6mm ruby ball probe	1pc
Probe calibration block	1pc
Software disc	1pc
USB cable	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

probes	see below
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Unit: mm

<p>Ø2mm ruby ball probe, length 48mm code ISH-M-R2</p>	<p>Ø3mm ruby ball probe, length 48mm code ISH-M-R3</p>	<p>Ø4mm carbide ball probe, length 48mm code ISH-M-C4</p>
<p>Ø4mm carbide ball probe, length 72mm code ISH-M-C4A</p>	<p>Ø4mm carbide ball probe, length 100mm, repeatability: 5μm part no. ISH-M-C4B</p>	<p>steel pin probe for groove, length 80mm code ISH-M-DP</p>
<p>Ø10mm carbide ball probe, length 100mm, repeatability: 5μm code ISH-M-C10</p>	<p>Ø10mm disc probe, length 48mm code ISH-M-D10</p>	
<p>Ø1.5mm carbide depth probe, length 48mm code ISH-M-S105</p>	<p>Ø2mm carbide depth probe, length 48mm code ISH-M-S2</p>	<p>squareness probe with holder code ISH-M-SQA</p>

Probe Set (code ISH-M-KIT)

Unit: mm

usage of probe		mounting base		extension rod	
<p>Ø1mm ruby ball probe, repeatability: 6μm</p>	<p>Ø3mm carbide ball probe, repeatability: 3μm</p>	<p>Ø2mm carbide ball probe, repeatability: 4μm</p>	<p>probe for hole, repeatability: 12μm</p>	<p>steel pin probe for deep, repeatability: 2μm</p>	<p>probe for groove, repeatability: 5μm</p>