

**INSPECTION  
CERTIFICATE**

**DATA  
OUTPUT**

# 1D MANUAL HEIGHT GAGE (WITHOUT AIR CUSHION) CODE DHG-C420

**INSIZE PLUS**  
MADE IN EUROPE

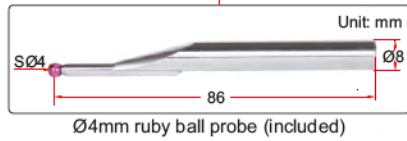
4



software CD  
(included)

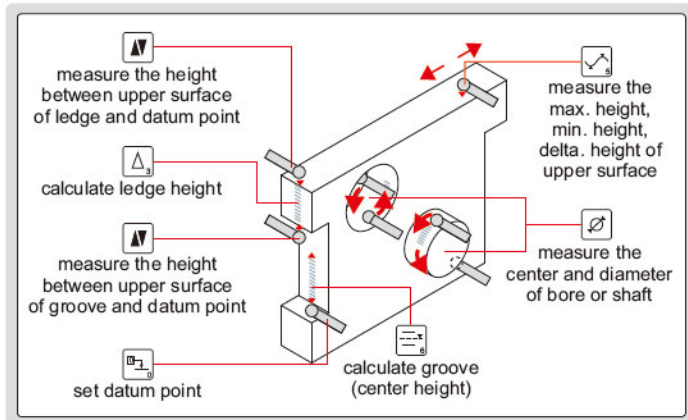


VIDEO



DHG-C420

- Set 9 reference points
- Probe can be moved quickly by hand
- Touch buttons
- LED display with backlight
- Measurement results can be sent to Excel/Word, equivalent to keyboard input



- measure height between measuring point and datum point
- maximum, minimum, TIR measurement
- calculate difference between two measured values
- measure diameter and center of shafts
- calculate average value of two measured values

**STANDARD DELIVERY**

Main unit	1 pc
Ø4mm ruby ball probe	1 pc
Calibration block	1 pc
AC/DC adapter	1 pc
Software and USB cable	1 pc

**SPECIFICATION**

Measuring range	0~406mm
Accuracy (at 20°C)	8µm
Repeatability	3µm
Resolution	0.1mm, 0.01mm, 0.001mm (selectable)
Data output	USB
Measuring force	0.75N, 1N, 1.25N, 1.5N (selectable)
Power supply	AC/DC adapter
Working temperature	10°C~40°C
Weight	21kg

**OPTIONAL ACCESSORY**

Transmitter	7306-100
Receiver	7306-2
Rechargeable battery	ISHH-V-BATTERY
Probe	ISHH-V-C2A
	ISHH-V-C4A
	ISHH-V-R4
	ISHH-V-R5B
	ISHH-V-R10
	ISHH-V-P1

To be continued

Continued from previous page

■ Probe (optional) for DHG-C420

Unit: mm

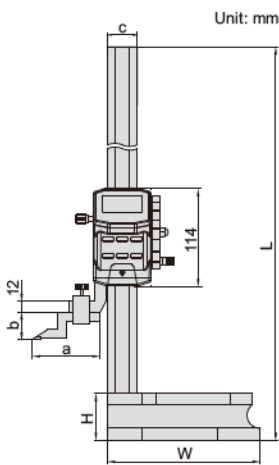
<p>SØ2mm carbide ball probe, code <b>ISHH-V-C2A</b></p>	<p>SØ4mm carbide ball probe, code <b>ISHH-V-C4A</b></p>	<p>Ø1.5mm pin probe, code <b>ISHH-V-P1</b></p>
<p>SØ10mm ruby ball probe, code <b>ISHH-V-R10</b></p>	<p>SØ4mm ruby ball probe, code <b>ISHH-V-R4</b></p>	<p>SØ5mm ruby ball probe, code <b>ISHH-V-R5B</b></p>

4

**DIGITAL HEIGHT GAGES WITH DRIVING WHEEL**

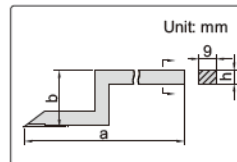
DATA OUTPUT

**INSPECTION CERTIFICATE**  
TRACEABLE TO DKD



Unit: mm

scriber (included)

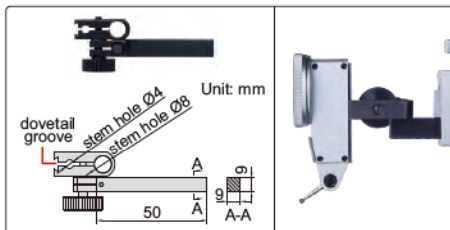


Unit: mm

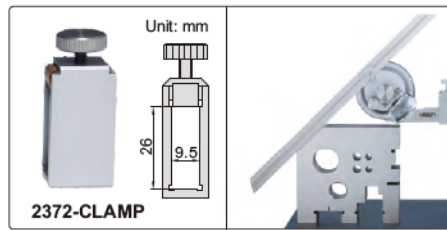
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset +, preset -, ABS/INC
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
- Supplied with dust cover
- With dial test indicator holder
- Optional accessory: data output cable (code **7315-22**, **7302-22**), clamp for protractors (code **2372-CLAMP**)



dial test indicator holder (included)



clamp for protractors (optional)



Code	Range	Accuracy	L	W	H	a	b	c	h
<b>1156-300*</b>	0-300mm/0-12"	±0.03mm	515mm	180mm	55mm	80mm	30mm	35mm	9mm
<b>1156-600*</b>	0-600mm/0-24"	±0.05mm	815mm	180mm	55mm	80mm	30mm	35mm	9mm
<b>1156-1000*</b>	0-1000mm/0-40"	±0.07mm	1220mm	265mm	70mm	92mm	48mm	40mm	12mm

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)

ATTENTION: LOW ACCURACY

DATA OUTPUT

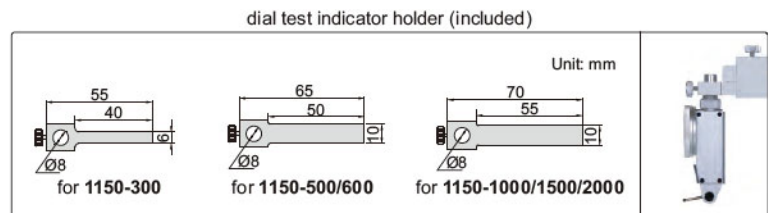
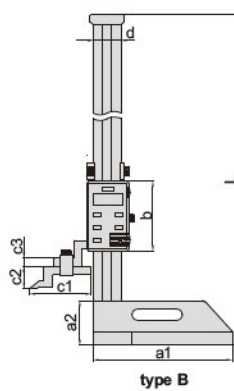
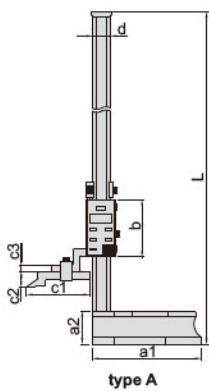
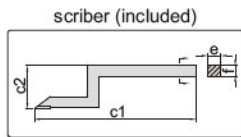
## DIGITAL HEIGHT GAGES (ECONOMIC TYPE)

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery, data output
- Supplied with dial test indicator holder
- Supplied with dust cover (except 1150-1500/2000)
- Optional accessory: data output cable (code 7302-SPC7, keyboard format)



1150-1000

1150-500



Code	Range	Type	Accuracy	L	a1	a2	b	c1	c2	c3	d	e	f
1150-300	0-300mm/0-12"	A	±0.05mm	470mm	135mm	45mm	80mm	76mm	25mm	10mm	23mm	6mm	8mm
1150-500	0-500mm/0-20"	A	±0.06mm	720mm	180mm	55mm	95mm	103mm	25mm	12mm	30mm	10mm	12mm
1150-600	0-600mm/0-24"	A	±0.06mm	820mm	180mm	55mm	95mm	103mm	25mm	12mm	30mm	10mm	12mm
1150-1000	0-1000mm/0-40"	B	±0.08mm	1275mm	250mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm
1150-1500	0-1500mm/0-60"	B	±0.12mm	1790mm	280mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm
1150-2000	0-2000mm/0-80"	B	±0.16mm	2290mm	280mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm

**DIGITAL HEIGHT GAGES**

**ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)**

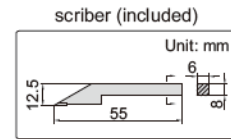
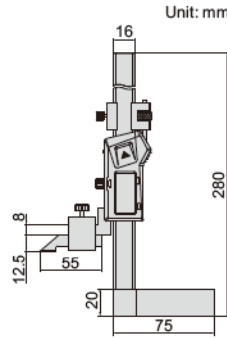
**DATA OUTPUT**

**4**

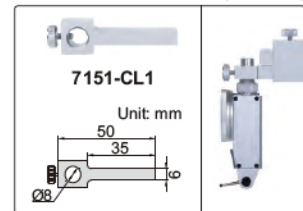
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- With fine adjustment
- Made of stainless steel
- Battery CR2032
- Optional accessory: dial test indicator holder (code 7151-CL1)



**1154-150**



dial test indicator holder (optional)



With data interface (data output cable code 7315-22, 7302-22, optional)

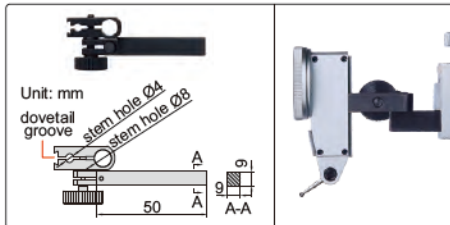
Code	Range	Accuracy
1154-150	0-150mm/0-6"	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8 is required)

Code	Range	Accuracy
1154-150WL	0-150mm/0-6"	±0.03mm

**DIAL HEIGHT GAGES**

dial test indicator holder (included)

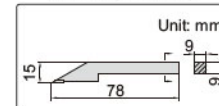


- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: clamp for protractors (code 2372-CLAMP)

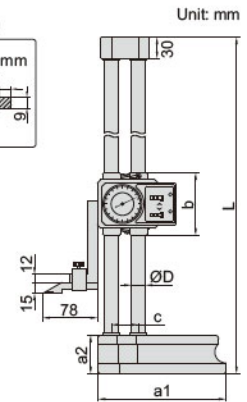


**1351-300**

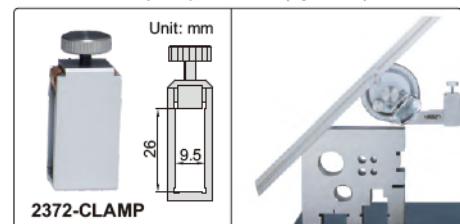
scriber (included)



driving wheel on the back

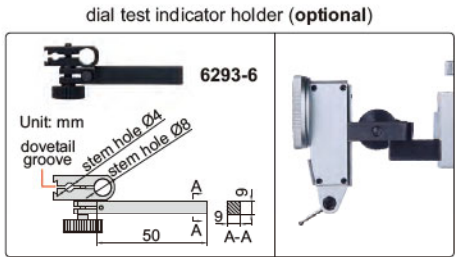


clamp for protractors (optional)



Code	Range	Accuracy	L	a1	a2	b	c	ØD
1351-300	0-300mm	±0.04mm	475	135	43	84	33	15
1351-450	0-450mm	±0.05mm	660	180	54	88	38	20
1351-600	0-600mm	±0.05mm	810	180	54	88	38	20

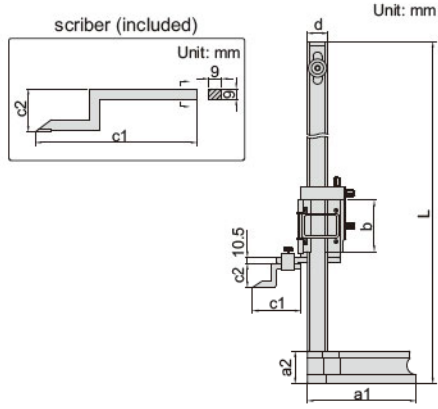
### VERNIER HEIGHT GAGES



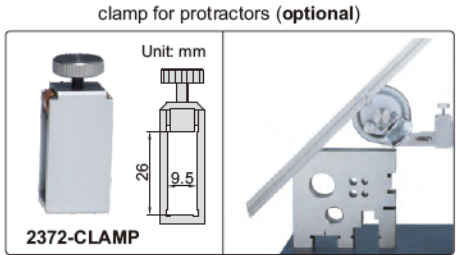
- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6), clamp for protractors (code 2372-CLAMP)



1250-300



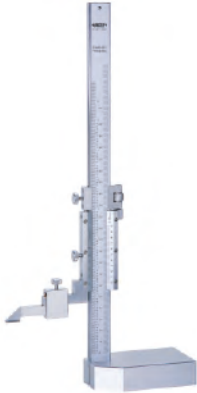
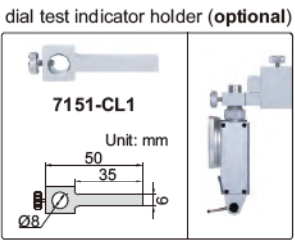
Code	Range	Accuracy	L	a1	a2	b	c1	c2	d
1250-300	0-300mm/0-12"	±0.04mm	545	135	43	75	80	30	28
1250-450	0-450mm/0-18"	±0.05mm	720	180	54	85	80	41	35
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	80	41	35



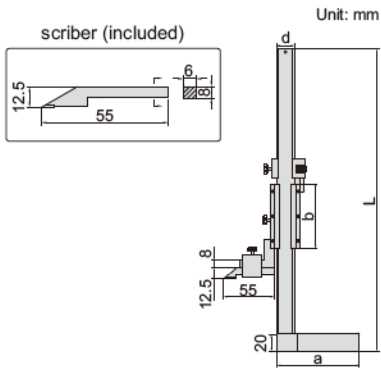
ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)

### VERNIER HEIGHT GAGES

- Graduation 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Optional accessory: dial test indicator holder (code 7151-CL1)



1253-200



Code	Range	Accuracy	L	a	b	d
1253-150	0-150mm/0-6"	±0.03mm	265	75	57	16
1253-200	0-200mm/0-8"	±0.03mm	325	90	70	20