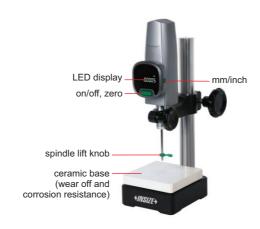
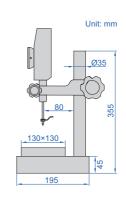




HIGH PRECISION DIGITAL HEIGHT GAUGES





1155-505

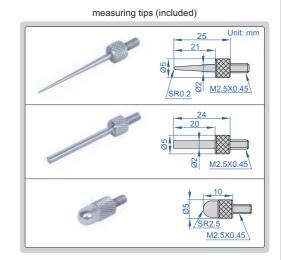


power supplied by charge pal



data transmitted to Excel without software; short press the foot switch to transmit data, long press to zero

- High stability, high precision, high response speed (5000mm/s)
 High brightness LED display
- Ceramic base flatness: 1µm



Code	Range	Resolution	Accuracy (at 20°C)	Measuring force	Output	Power supply
1155-5	05 0~50mm	0.5μm/0.00002" (can switch to: 1μm/0.00005")	1.5µm	0.8~1.2N	USB	5V/1A (adapter or charge pal)
1155-5	10 0~50mm	0.1µm/0.000005" (can switch to: 1µm/0.00005")	1µm	0.8~1.2N	USB	5V/1A (adapter or charge pal)

OPTIONAL ACCESSORY

STANDARD DELIVERY Main unit 1 pc

Contact point	code 6282
Charge pal	1155-5-POB
Data output cable (including foot switch)	1155-5-FOS

DIGITAL HEIGHT GAUGES



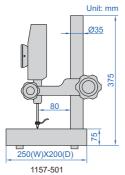


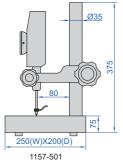


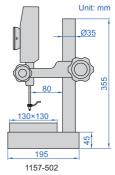
1157-501



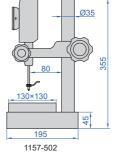
1157-502







measuring tips (included)



- Buttons: on/off, zero, mm/inch, max./min./max.-min. High response speed (5000mm/s)
 High brightness LED display



power supplied by charge pal



data transmitted to Excel without software; short press the foot switch to transmit data, long press to zero

measuring ups	(
	25 Unit: mm 21 SR0.2 M2.5X0.45
	24 20 8 M2.5X0.45
	SR2.5 M2.5X0.45

Code	Range	Resolution	Accuracy (at 20°C)	Measuring force	Output	Power supply	Base
1157-501	0~50mm	1µm/0.00005"	3µm	0.8~1.2N	USB	5V/1A (adapter or charge pal)	granite (flatness: 2µm)
1157-502	0~50mm	1µm/0.00005"	3µm	0.8~1.2N	USB	5V/1A (adapter or charge pal)	ceramic (flatness: 1µm)

OPTIONAL ACCESSORY

STANDARD DELIVERY	
Main unit	1 pc

Contact point	code 6282
Charge pal	1155-5-POB
Data output cable (including foot switch)	1155-5-FOS

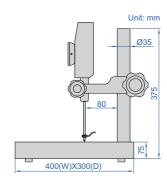




LARGE RANGE DIGITAL HEIGHT GAUGE

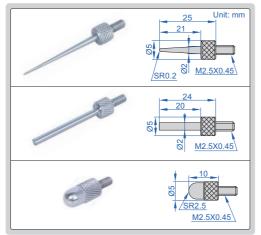


- High stability, high precision, high response speed (5000mm/s)
- High brightness LED display
- Granite base flatness: 3µm





measuring tips (included)



1158-100





power supplied by charge pal

data transmitted to Excel without software; short press the foot switch to transmit data, long press to zero

Code	Range	Resolution	Accuracy (at 20°C)	Measuring force	Output	Power supply
1158-100	0~100mm	0.1µm/0.000005" (can switch to: 1µm/0.00005")	3µт	0.8~1.2N	USB	5V/1A (adapter or charge pal)

STANDARD DELIVERY

Main unit 1 pc

OPTIONAL ACCESSORY

Contact point	code 6282
Charge pal	1155-5-POB
Data output cable (including foot switch)	1155-5-FOS

DIAL INDICATOR STANDS REFER TO PAGE 290-298 FOR DETAILS 6862-1001 6864-250T 6867-250

DIGITAL HEIGHT GAUGES

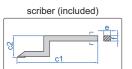


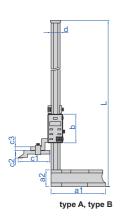
Non waterproof

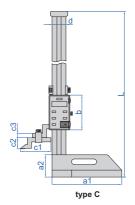
4

- 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: wireless transmitter code 7315-1150 (receiver is needed) page 7, data output cable (keyboard format) code 7302-SPC7 page 22, clamp for protractors (code 2372-CLAMP, for 1150-300)





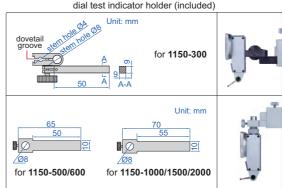


clamp for protractors (**optional**) for **1150-300**





dial test indicator holder (included)



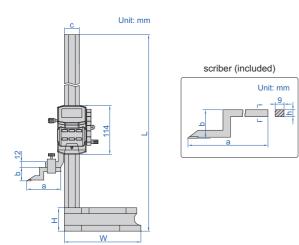
Code	Range	Type	Accuracy	L	a1	a2	b	c1	с2	с3	d	е	f
1150-300	0-300mm/0-12"	Α	±0.04mm	485mm	138mm	45mm	95mm	80mm	30mm	10mm	28mm	9mm	9mm
1150-500	0-500mm/0-20"	В	±0.06mm	720mm	180mm	55mm	95mm	103mm	25mm	12mm	30mm	10mm	12mm
1150-600	0-600mm/0-24"	В	±0.06mm	820mm	180mm	55mm	95mm	103mm	25mm	12mm	30mm	10mm	12mm
1150-1000	0-1000mm/0-40"	С	±0.08mm	1275mm	250mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm
1150-1500	0-1500mm/0-60"	С	±0.12mm	1790mm	280mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm
1150-2000	0-2000mm/0-80"	С	±0.16mm	2290mm	280mm	80mm	125mm	110mm	39mm	15mm	50mm	10mm	15mm







- Non waterproof
- 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 CR2032Data output
- Supplied with dust cover
- With dial test indicator holder
- Optional accessory: wireless transmitter code 7315-22 (receiver is needed) page 5, bluetooth transmitter code 7214-22 page 11, data output cable code 7302-22 page 20, clamp for protractors (code 2372-CLAMP)





DIGITAL HEIGHT GAUGES WITH DRIVING WHEEL

dial test indicator holder (included)



clamp for protractors (optional)



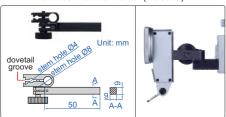
Code	Range	Accuracy	L	W	Н	а	b	С	h
1156-300*	0-300mm/0-12"	±0.03mm	515mm	180mm	55mm	80mm	30mm	35mm	9mm
1156-600*	0-600mm/0-24"	±0.05mm	815mm	180mm	55mm	80mm	30mm	35mm	9mm
1156-1000*	0-1000mm/0-40"	±0.07mm	1220mm	265mm	70mm	92mm	48mm	40mm	12mm

^{*}Supplied with manufacturer inspection certificate

+INSIZE+

DIGITAL HEIGHT GAUGES

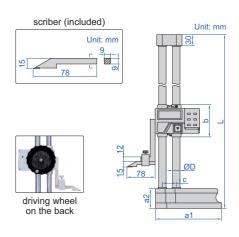
dial test indicator holder (included)



- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data hold, ABS/INC, preset
- ABS/INC is for absolute and incremental measurement
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032, data output
- With driving wheel
- With dial test indicator holder
- Supplied with dust cover
- Optional accessory: wireless transmitter code 7315-1151 (receiver is needed) page 8, data output cable code 7302-1151 page 21, clamp for protractors (code 2372-CLAMP)







DATA OUTPUT

Unit: mm

clamp for protractors (optional)



scriber (included)

driving wheel

on the back

(mm)

Code	Range	Accuracy	L	a1	a2	b	С	ØD
1151-300A	0-300mm/0-12"	±0.04mm	475	135	43	84	33	15
1151-450A	0-450mm/0-18"	±0.05mm	660	180	54	88	38	20
1151-600A	0-600mm/0-24"	±0.05mm	810	180	54	88	38	20

DIAL HEIGHT GAUGES

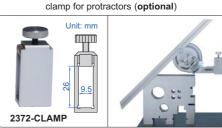


- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- With dial test indicator holder
- Supplied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



1351-300

300



(mm)

								(,
Code	Range	Accuracy	L	a1	a2	b	С	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

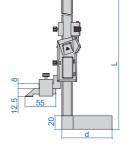




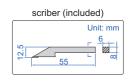
MINI DIGITAL HEIGHT GAUGES



1154-150



Unit: mm



dial test indicator holder (optional) 7151-CL1

- Non waterproof
- 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)

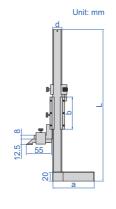
Code	Range	Accuracy	L	C	d	Data output cable (optional)
1154-150	0-150mm/0-6"	±0.03mm	280mm	16mm	75mm	7315-25 (receiver is needed) page 5, 7214-25 page 11, 7302-21 page 20
1154-200	0-200mm/0-8"	±0.03mm	340mm	20mm	90mm	7315-22 (receiver is needed) page 5, 7214-22 page 11, 7302-22 page 20

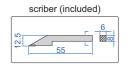
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is needed)

Code	Range	Accuracy	L	С	d
1154-150WL	0-150mm/0-6"	±0.03mm	280mm	16mm	75mm

MINI VERNIER HEIGHT GAUGES







- 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)

(mm)	
d	

						()
Code	Range	Accuracy	L	а	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

dial test indicator holder (optional)



MINI DIGITAL HEIGHT GAUGES



application of 1146-20A/1146-20AWL



application of 1146-20B/1146-20BWL



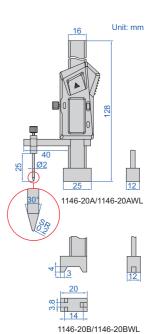
- Non waterproof
- Measure height difference of two surfaces (1146-20B, 1146-20BWL suitable for surfaces with barrier, such as rivet)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel







1146-20B



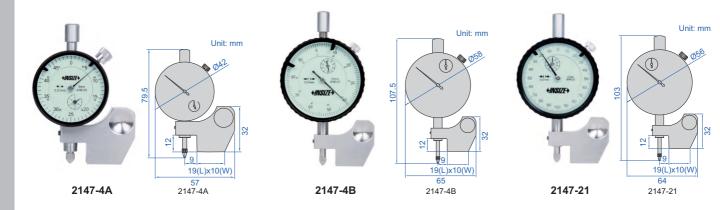
With data interface (optional data output cable: code 7315-25 receiver is needed page 5, 7214-25 page 11, 7302-21 page 20)

Code	Range	Accuracy
1146-20A	0~±20mm/0~±0.8"	±0.02mm
1146-20B	0~±20mm/0~±0.8"	±0.02mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is needed)

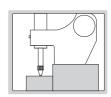
Code	Range	Accuracy
1146-20AWL	0~±20mm/0~±0.8"	±0.02mm
1146-20BWL	0~±20mm/0~±0.8"	±0.02mm

DIAL HEIGHT GAUGES



■ Measure height difference of two surfaces

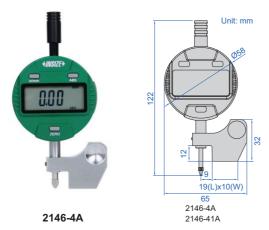
Code	Range	Dial indicator stroke	Dial indicator graduation	Accuracy
2147-4A	0~±5mm (adjustable)	5mm	0.01mm	±0.014mm
2147-4B	0~±5mm	10mm	0.01mm	±0.017mm
2147-21	0~±2mm (adjustable)	2mm	0.001mm	±0.006mm

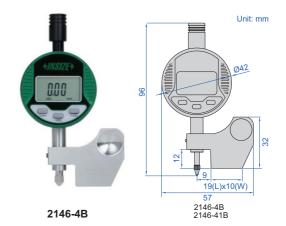






DIGITAL HEIGHT GAUGES





- Measure height difference of two surfaces
- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement

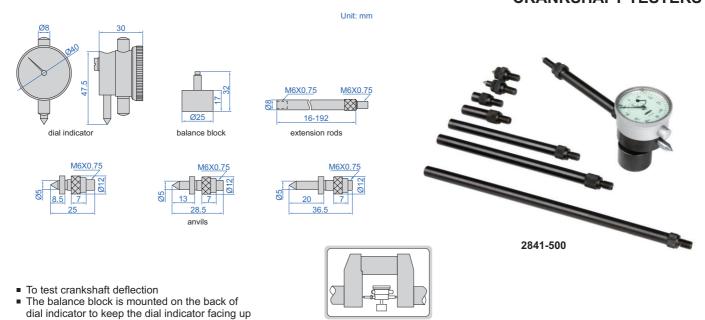
 Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output
- Optional accessory:
 wireless transmitter code **7315-50M** (receiver is needed) page 6, bluetooth transmitter code 7214-50M page 12, data output cable code 7302-40M page 21





Code	Range (adjustable)	Digital indicator stroke	Digital indicator resolution	Accuracy
2146-4A	0~4mm/0~0.16" (sinked)	12.7mm/0.5"	0.01mm/0.0005"	±0.02mm
2146-41A	0~12.7mm/0~0.5" (raised)	12.7mm/0.5"	0.001mm/0.00005"	±0.005mm
2146-4B	0~4mm/0~0.16" (sinked)	5mm/0.2"	0.01mm/0.0005"	±0.02mm
2146-41B	0~5mm/0~0.2" (raised)	5mm/0.2"	0.001mm/0.00005"	±0.005mm

CRANKSHAFT TESTERS



Code	Range	Dial indicator range	Graduation	Extension rods	Accuracy
2841-300	60-300mm	3mm	0.01mm	16mm, 32mm, 64mm, 128mm	±0.02mm
2841-500	60-500mm	3mm	0.01mm	16mm, 32mm, 64mm, 96mm, 128mm, 192mm	±0.02mm