



SCHWYZ

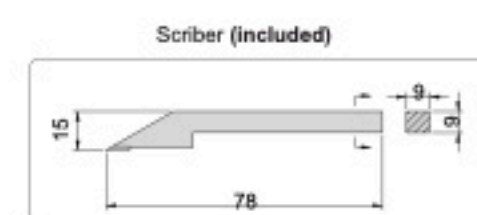
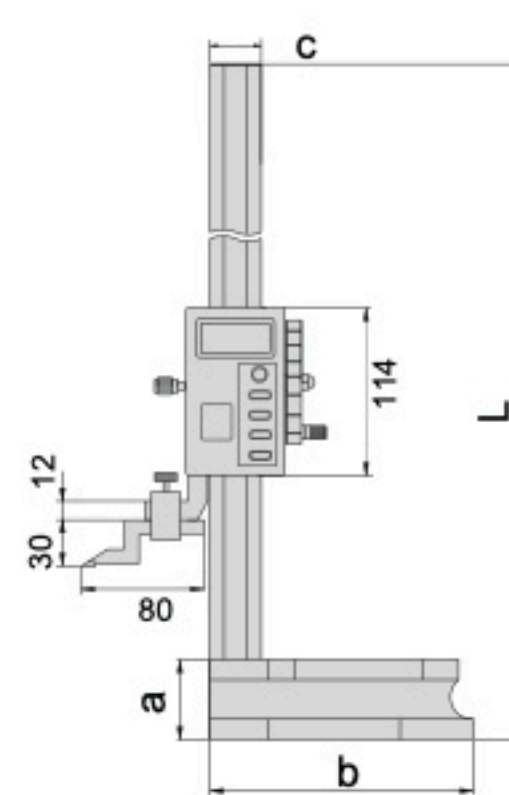
***DIGITAL HEIGHT GAGE
VERNIER HEIGHT GAGE
DIAL HEIGHT GAGE
DIGITAL SCALE UNIT
DRO
LINEAR SCALE***



DIGITAL HEIGHT GAUGE WITH HAND-WHEEL

FEATURES:

- With hand-wheel, smooth operation of slide carriage
- Ideal for measuring and marking work for molds, jigs, and tooling
- Metric/Inch system interchange
- ZERO can be set at any position
- ABS/INC function
- HOLD function
- Carbide tipped scriber
- Accessory arm for mounting $\Phi 8\text{mm}$ or $\Phi 6\text{mm}$ dial indicator (optional)



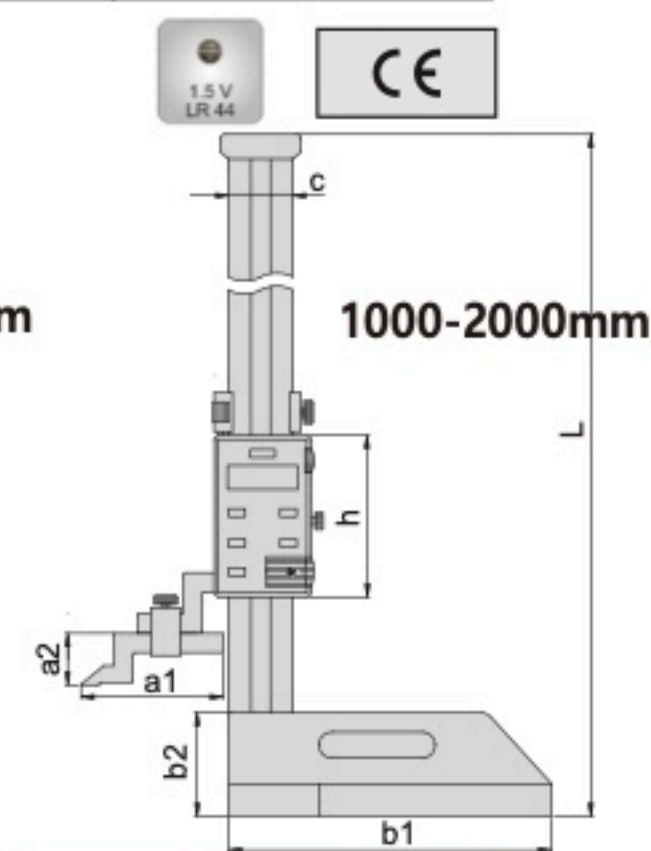
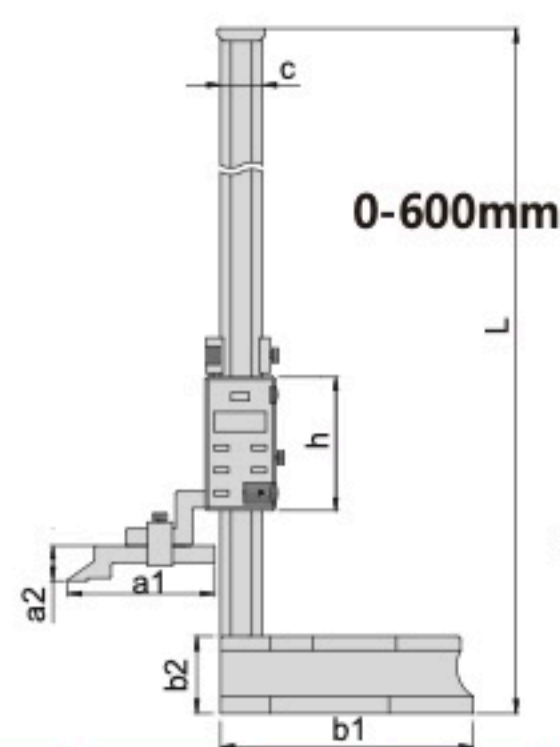
Unit: mm

Model No.	Range mm/in	Resolution mm	Accuracy mm	a	b	c	L
P6011-300A	0-300mm/0-12"	0.01mm/0.0005"	± 0.03	55	180	32	515
P6011-600A	0-600mm/0-24"	0.01mm/0.0005"	± 0.05	55	180	32	815

SINGLE DIGITAL HEIGHT GAUGE

FEATURES :

- Ideal for measuring and marking work for molds, jigs, and tooling
- Metric/Inch system interchange
- Easy to read digital display
- Origin can be set at any position
- Preset function
- TOL function for convenient inspection work
- HOLD function
- Dial Indicator mounting arm accepts $\phi 6\text{mm}$, $\phi 8\text{mm}$, and dovetail type indicators. (optional)



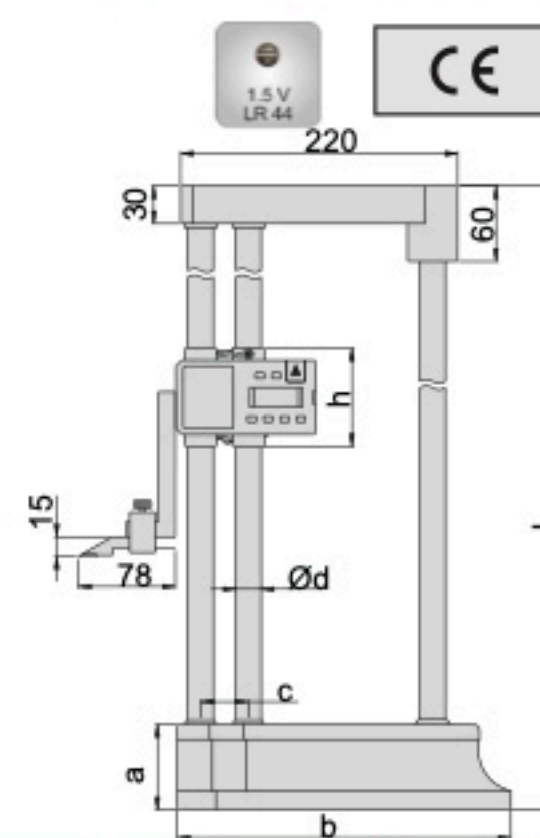
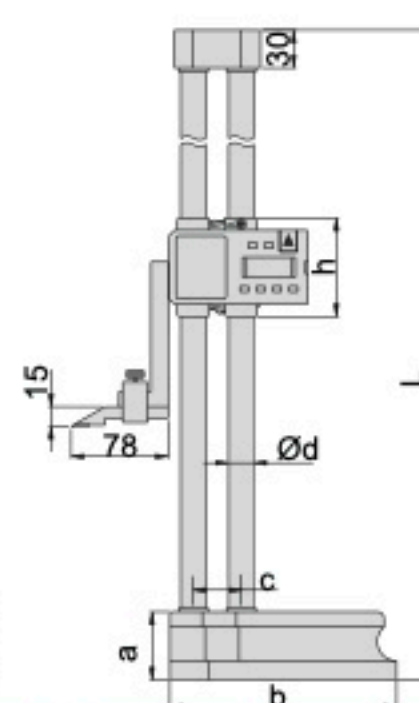
Model No.	Range mm/in	Resolution mm	Accuracy mm	a1	a2	b1	b2	c	h	L
P6010-300	0-300mm/0-12"	0.01/0.0005"	$\pm 0.04\text{mm}$	76	25	135	45	23	80	470
P6010-500	0-500mm/0-20"	0.01/0.0005"	$\pm 0.05\text{mm}$	103	25	180	55	30	95	670
P6010-600	0-600mm/0-24"	0.01/0.0005"	$\pm 0.05\text{mm}$	103	25	180	55	30	95	820
P6010-1000	0-1000mm/0-40"	0.01/0.0005"	$\pm 0.07\text{mm}$	110	39	250	80	50	125	1275
P6010-1500	0-1500mm/0-60"	0.01/0.0005"	$\pm 0.11\text{mm}$	110	39	280	80	50	125	1790
P6010-2000	0-2000mm/0-80"	0.01/0.0005"	$\pm 0.15\text{mm}$	110	39	280	80	50	125	2290

Unit: mm

DOUBLE COLUMN DIGITAL HEIGHT GAUGE

FEATURES :

- Smooth operation of slide carriage using crank wheel
- With fine adjustment
- Metric/Inch system interchange
- OFF/ON
- P-: Negative preset, P+: Positive preset
- ZERO/ABS Relative/Absolute measuring shifter
- RESET: preset/Set to zero for display
- Dial Indicator mounting arm accepts $\phi 6\text{mm}$, $\phi 8\text{mm}$, and dovetail type indicators. (optional)



Model No.	Range mm/in	Resolution mm	Accuracy mm	a	b	c	Ød	h	L
P6013-300	0-300mm/0-12"	0.01/0.0005"	$\pm 0.04/\pm 0.0015"$	43	135	33	15	84	475
P6013-450	0-450mm/0-18"	0.01/0.0005"	$\pm 0.05/\pm 0.002"$	43	135	33	15	84	640
P6013-500	0-500mm/0-20"	0.01/0.0005"	$\pm 0.05/\pm 0.002"$	54	180	38	20	88	690
P6013-600	0-600mm/0-24"	0.01/0.0005"	$\pm 0.05/\pm 0.002"$	54	180	38	20	88	810
P6013-1000	0-1000mm/0-40"	0.01/0.0005"	$\pm 0.07/\pm 0.0028"$	68	265	38	20	88	1230

Unit: mm

PREMIUM DOUBLE DIGITAL HEIGHT GAUGE

FEATURES:

- Smooth operation of slide carriage using crank wheel
- Metric/Inch system interchange.
0.01mm,0.002mm resolution changeable
- Large screen display,with base armrest
- Battery CR2032
- ZERO/ABS Relative/Absolute measuring shifter
- RESET: preset/Set to zero for display
- Circular arc scribe,fine adjustment,dataoutput (optional)



Model No.	Range mm	Graduation mm	Accuracy mm
P6014-300	0-300mm/0-12"	0.01mm/ 0.0005"/0.002mm	±0.04/±0.0015 "
P6014-500	0-500mm/0-20"	0.01mm/ 0.0005"/0.002mm	±0.05/±0.002 "
P6014-600	0-600mm/0-24"	0.01mm/ 0.0005"/0.002mm	±0.05/±0.002 "

unit:mm

VERNIER HEIGHT GAUGE

FEATURES:

- Ideal for marking and measuring work for molds, jigs, and tooling
- Sliding main carriage for fast, easy adjustment
- Carbide tipped scribe
- Made of stainless steel for rust protection
- Dial Indicator mounting arm accepts $\phi 6$ mm, $\phi 8$ mm,and dovetail type indicators.(optional)

P6004-300
Open type



P6004-301
Mono block type



unit:mm

Model No.	Range mm	Reading mm	Model No.	Range mm	Reading mm	Accuracy mm
P6004-200	0-200mm/8"	0.02mm/0.001"	P6004-201	0-200mm	0.02mm	±0.03mm
P6004-300	0-300mm/12"	0.02mm/0.001"	P6004-301	0-300mm	0.02mm	±0.04mm
P6004-450	0-450mm/18"	0.02mm/0.001"	P6004-451	0-450mm	0.02mm	±0.05mm
P6004-500	0-500mm/20"	0.02mm/0.001"	P6004-501	0-500mm	0.02mm	±0.05mm
P6004-600	0-600mm/24"	0.02mm/0.001"	P6004-601	0-600mm	0.02mm	±0.05mm
P6004-1000	0-1000mm/40"	0.02mm/0.001"	P6004-1001	0-1000mm	0.02mm	±0.07mm
P6004-1500	0-1500mm/60"	0.02mm/0.001"	P6004-1501	0-1500mm	0.02mm	±0.11mm
P6004-2000	0-2000mm/80"	0.02mm/0.001"	P6004-2001	0-2000mm	0.02mm	±0.15mm

MINI DIAL HEIGHT GAUGE

FEATURES:

- Made of stainless steel
- Clear, crisp black graduations on the satin-chrome finish for easy reading
- Fine adjustment thumb roll for precision measurement
- Carbide-tipped scribe
- With wooden case



unit:mm

Model No.	Range mm	Graduation	Accuracy mm
P6006-150	0-150mm	0.02mm	±0.03mm
P6006-200	0-200mm	0.02mm	±0.03mm
P6006-300	0-300mm	0.02mm	±0.04mm

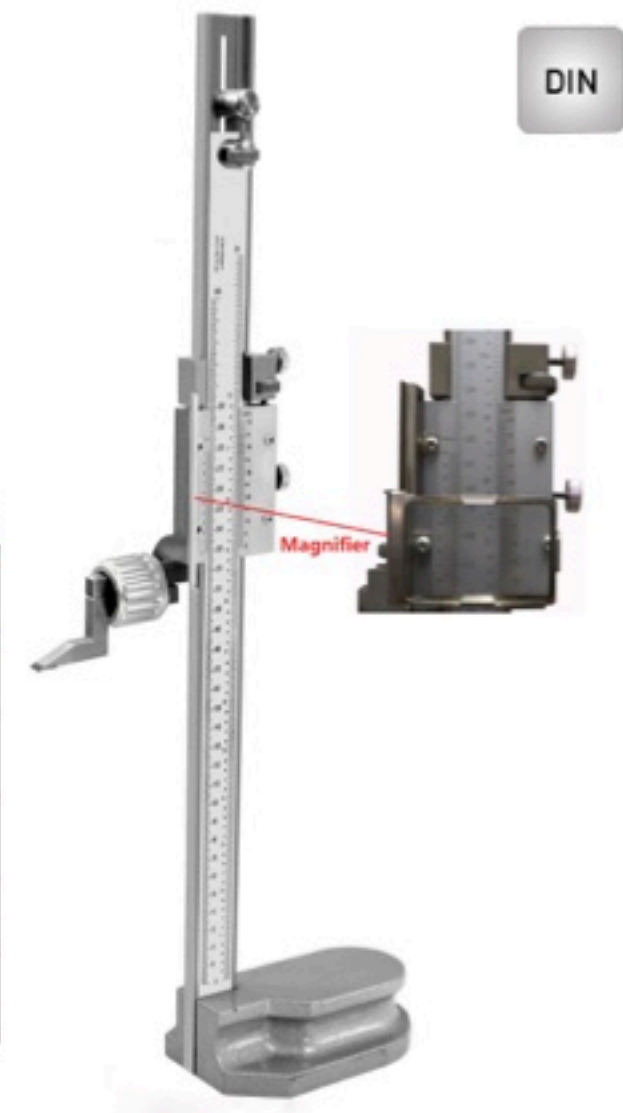
VERNIER HEIGHT GAUGE MAGNIFIER LENS

FEATURES:

- Ideal for marking and measuring work for molds, jigs, and tooling
- Move main scale to set zero
- Easy to read scale using 3X magnifying lens
- Carbide tipped scribe
- Made of stainless steel for rust protection

Model No.	Range mm	Reading mm	Accuracy mm
P6003-300	0-300mm/12"	0.02mm/0.001"	±0.04mm
P6003-450	0-450mm/18"	0.02mm/0.001"	±0.05mm
P6003-500	0-500mm/20"	0.02mm/0.001"	±0.05mm
P6003-600	0-600mm/24"	0.02mm/0.001"	±0.05mm
P6003-1000	0-1000mm/40"	0.02mm/0.001"	±0.07mm

unit:mm



DOUBLE DIAL COLUMN HEIGHT GAUGE

FEATURES:

- Made of stainless steel
- Easy and error-free reading with both up and down digital counters
- The counters and dial can be zeroed at any scribe position
- Double-column structure ensures high measuring accuracy
- With hand wheel for easy head displacement
- Carbide-tipped scribe

Model No.	Range mm/in	Graduation mm	Accuracy
P6008-300	0-300mm	0.01mm	±0.04mm
P6008-450	0-450mm	0.01mm	±0.05mm
P6008-500	0-500mm	0.01mm	±0.05mm
P6008-600	0-600mm	0.01mm	±0.05mm
P6008-1000	0-1000mm	0.01mm	±0.07mm
P6008-12	0-12"	0.001"	±0.0015"
P6008-18	0-18"	0.001"	±0.002"
P6008-20	0-20"	0.001"	±0.002"
P6008-24	0-24"	0.001"	±0.008"
P6008-40	0-40"	0.001"	±0.0028"

Unit: mm



IP67 DIGITAL SCALE (Horizontal type)

FEATURES :

- Conform to IP67 Level and can be Used in cutting liquid conditions
- Relative/absolute measurement interchange at any position
- With on-off power button, automatic power off



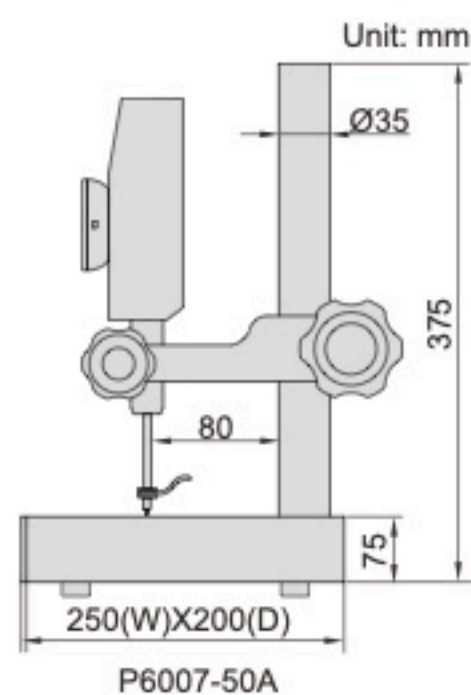
unit:mm

Model No.	Range mm/in	Accuracy mm
P1069-100	0-100mm/4"	0.01mm/0.0005"
P1069-150	0-150mm/6"	0.01mm/0.0005"
P1069-200	0-200mm/8"	0.01mm/0.0005"
P1069-300	0-300mm/12"	0.01mm/0.0005"
P1069-400	0-400mm/16"	0.01mm/0.0005"
P1069-500	0-500mm/20"	0.01mm/0.0005"
P1069-600	0-600mm/24"	0.01mm/0.0005"

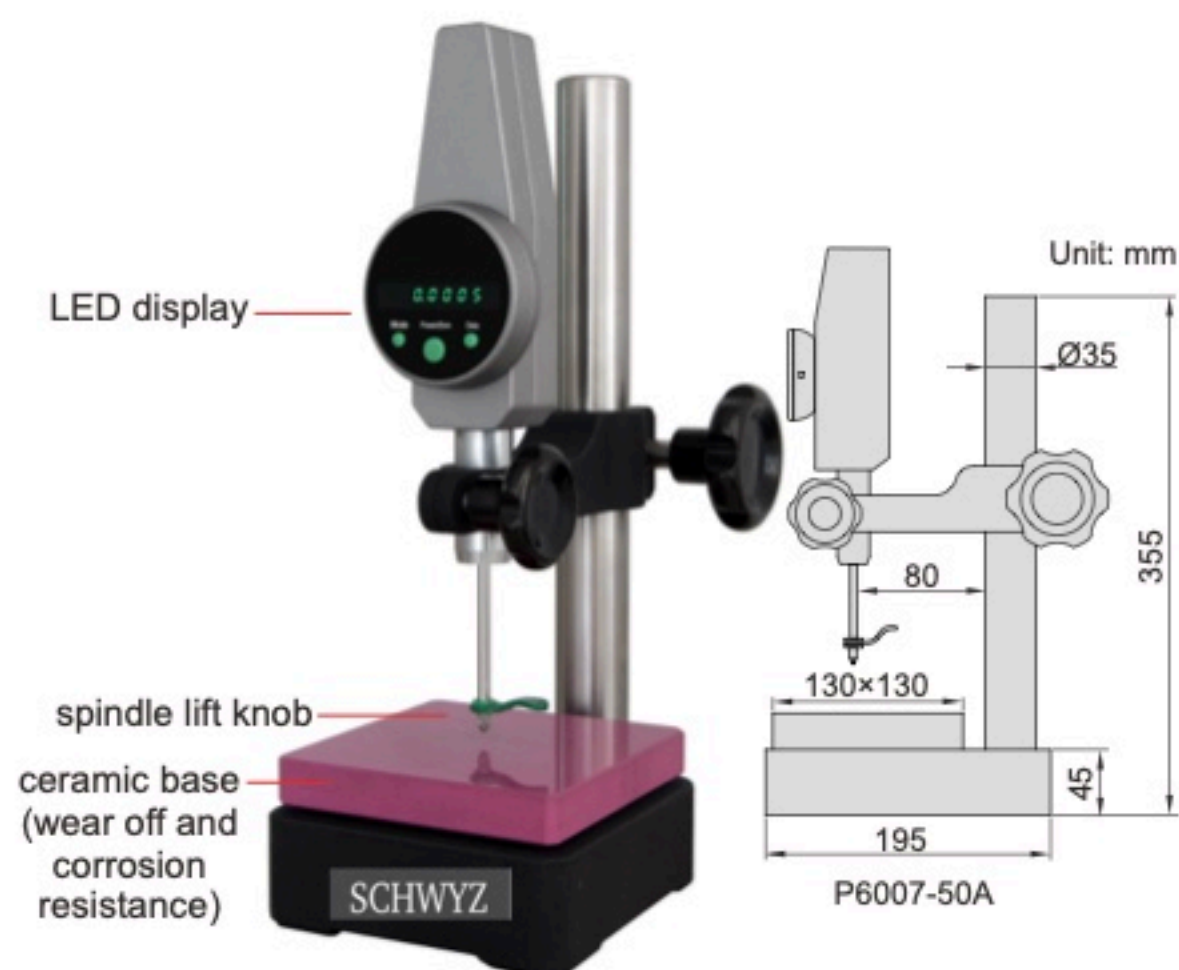
DIGITAL HEIGHT GAGES



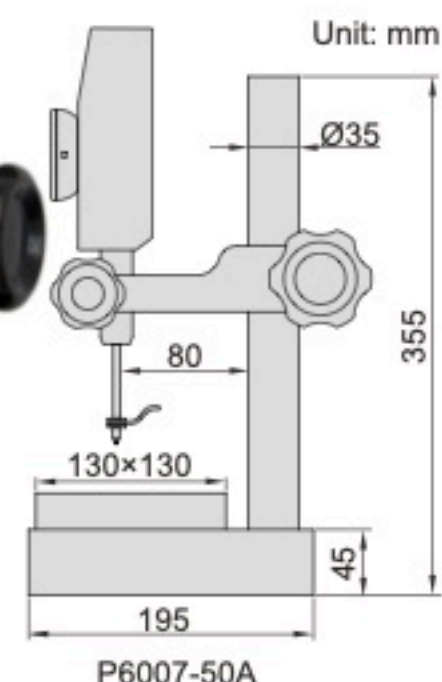
P6007-50A



P6007-50A



P6007-50B

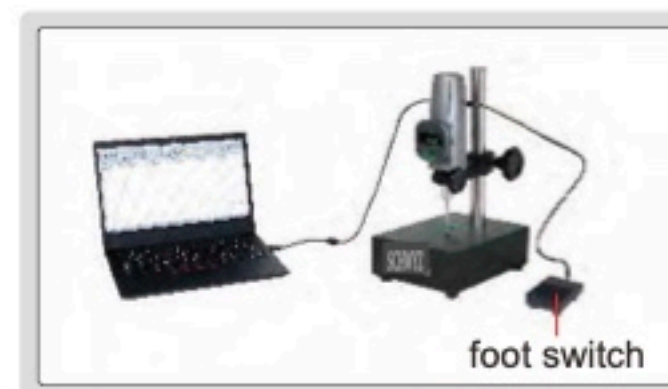


P6007-50A

- Buttons: on/off, zero, mm/inch, mix/min/mix-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

Model No.	Range	Resolution	Accuracy (20°C)	Measuring force	Output	Power supply	Base
P6007-50A	0~50mm	1μm/0.00005"	3μm	0.8~1.2N	USB	5V/1A (adapter or charge pal)	granite (flatness: 2μm)
P6007-50B	0~50mm	1μm/0.00005"	3μm	0.8~1.2N	USB	5V/1A (adapter or charge pal)	ceramic (flatness: 1μm)

OPTIONAL ACCESSORY

Contact point

Charge pal

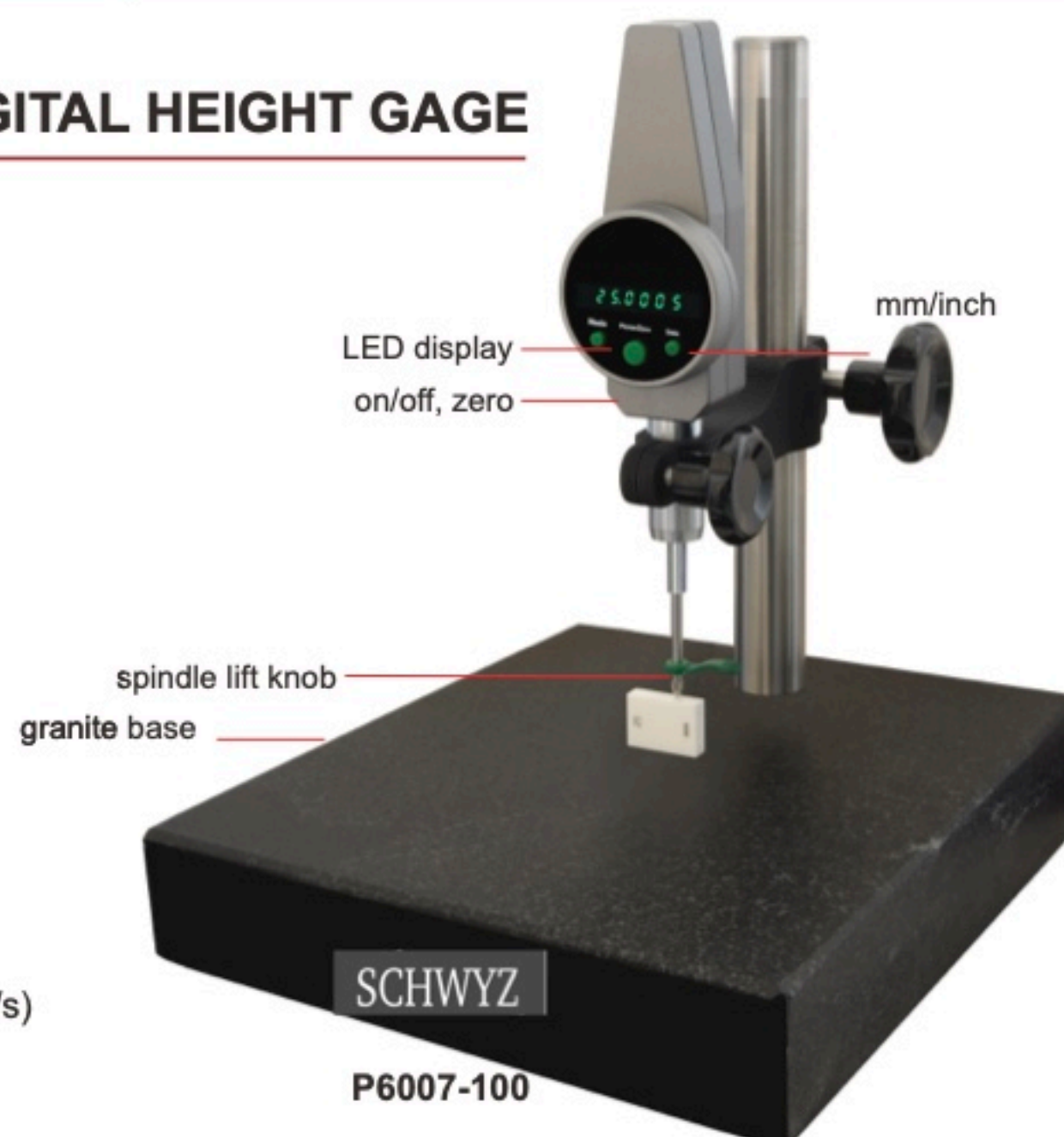
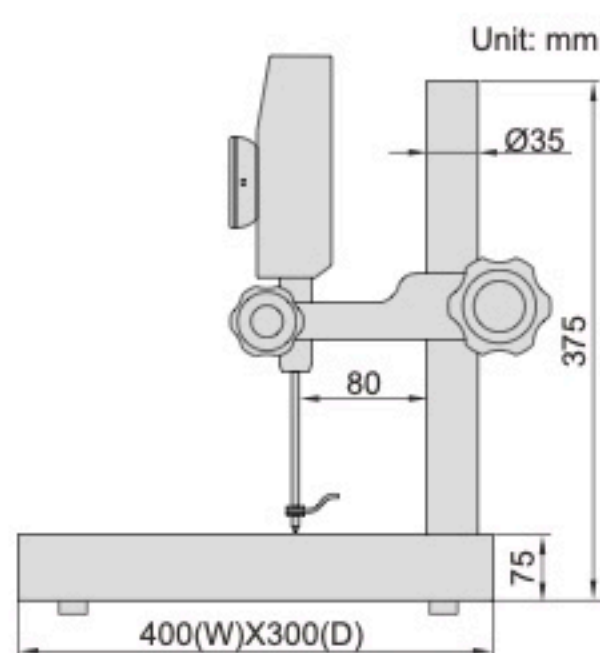
Data output cables (including foot switch)

P6007-1

P6007-2

P6007-3

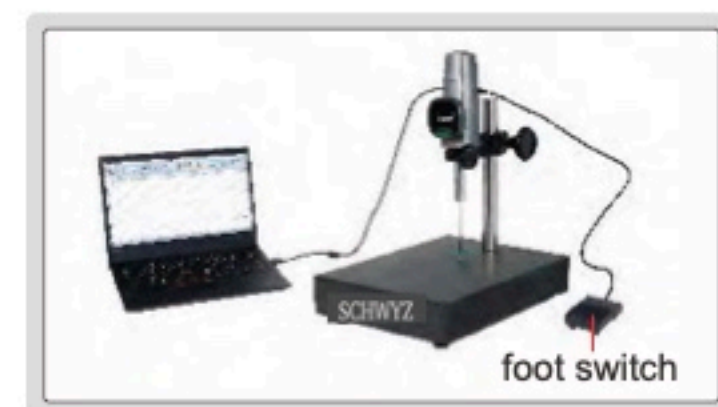
LARGE RANGE DIGITAL HEIGHT GAGE



P6007-100



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
- Granite base flatness: 3μm

STANDARD DELIVERY

Main unit

1 pc

OPTIONAL ACCESSORY

Contact point

Charge pal

Data output cables (including foot switch)

P6007-1

P6007-2

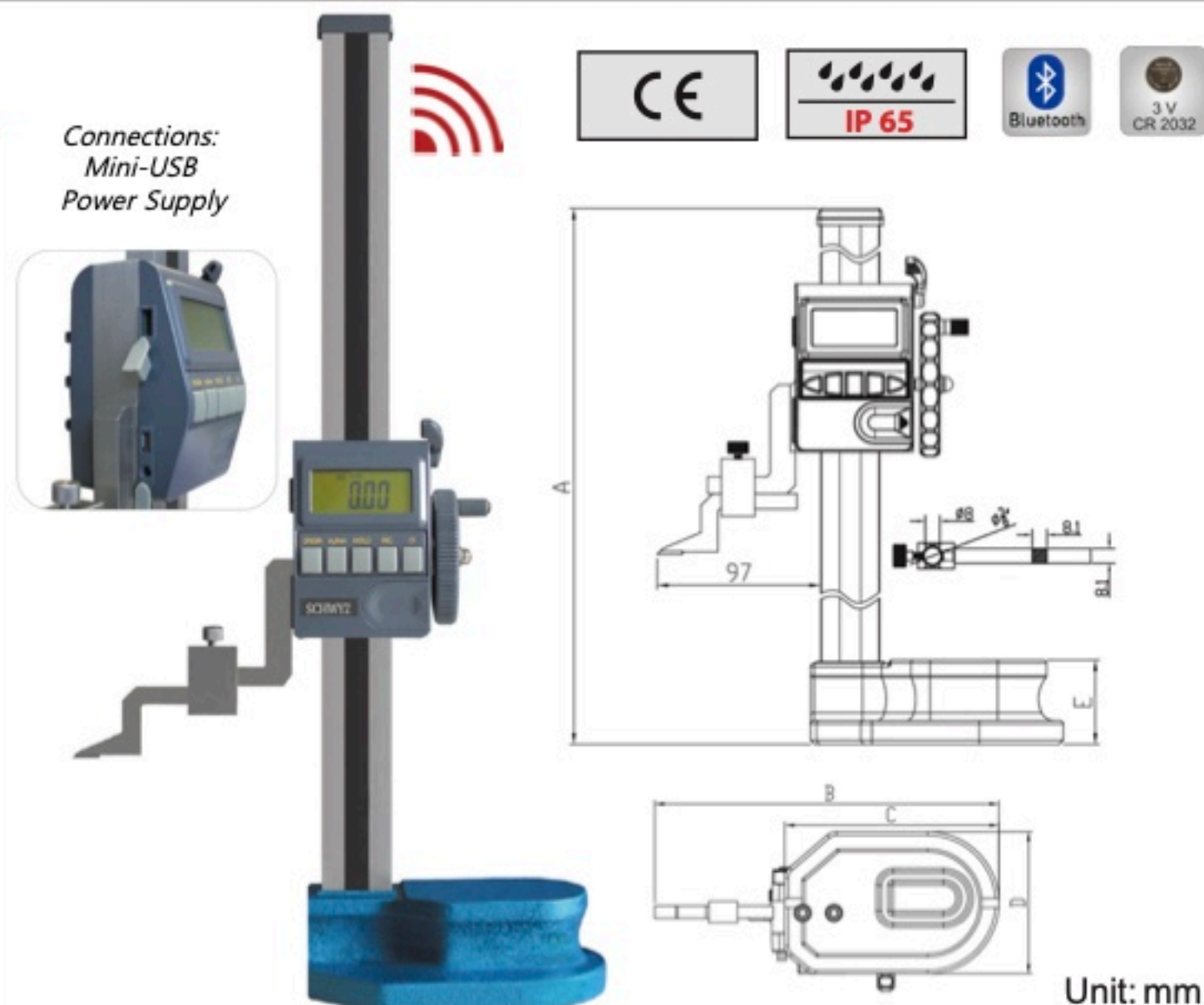
P6007-3

Model No.	Range	Resolution	Accuracy (20°C)	Measuring force	Output	Power supply
P6007-100	0~100mm	0.1μm/0.000005" (can switch to: 1μm/0.00005")	3μm	0.8~1.2N	USB	5V/1A (adapter or charge pal)

DIGITAL HEIGHT GAGE IP65

FEATURES:

- Protection grade IP65
- 3V Lithium battery CR2032. battery life> 1 year
- Reading mm/inch, switchable, zero-setting at any position
- On/Off switch, hold function, with „ORIGIN“ system
- Carbide tipped steel scribe, exchangeable, with racks feed
- At zero-position the drawing point coincides exactly with the base
- LCD display with clear reading, digit height 14 mm
- With built-in connector for external power supply
- With holder for clamping a dial gauge, massive Special cast iron base, lacquered
- With handwheel for quick adjustment and fine adjustment
- Built in wireless data transmission (optional). P6001-300W/600W is with wireless data.

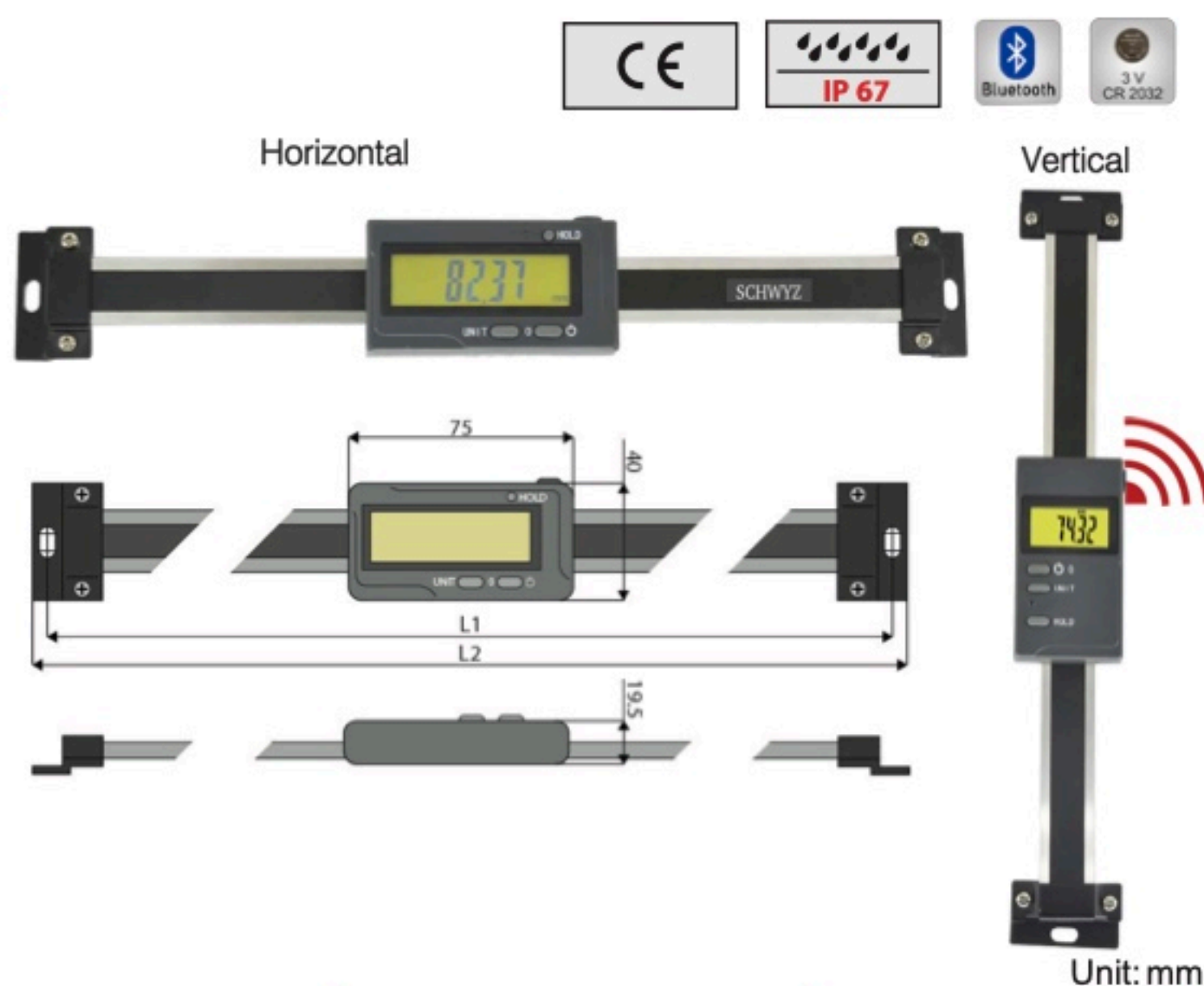
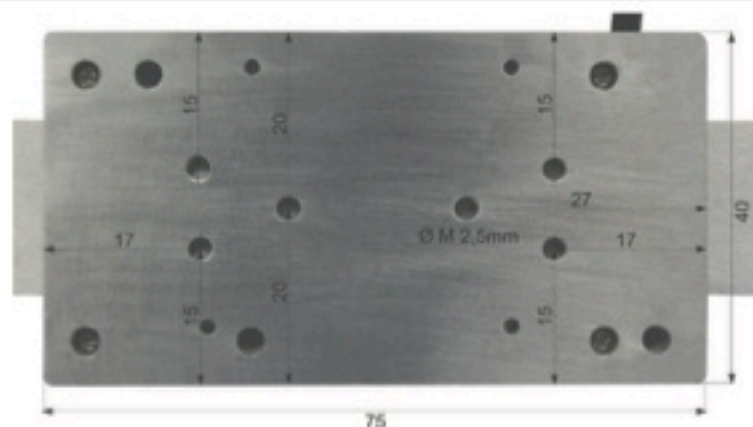


Model No.	Range mm/in	Resolution	Accuracy(Tolerance Range)	A(mm)	B(mm)	C(mm)	D(mi	E(mm)
P6001-300	0-300mm/0-12"	0.01mm/0.0005"	0.03mm/0.001"	492	241	150	100	50
P6001-600	0-600mm/0-24"	0.01mm/0.0005"	0.05mm/0.002"	796	274	183	120	57
P6001-300W	0-300mm/0-12"	0.01mm/0.0005"	0.03mm/0.001"	492	241	150	100	50
P6001-600W	0-600mm/0-24"	0.01mm/0.0005"	0.05mm/0.002"	796	274	183	120	57
P6001-300Q	0-300mm/0-12"	0.001mm/0.00005"	0.02mm/0.0008"	492	241	150	100	50
P6001-600Q	0-600mm/0-24"	0.001mm/0.00005"	0.04mm/0.0015"	796	274	183	120	57

DIGITAL SCALE UNIT IP67

FEATURES:

- Protection grade |P67.
- Large LCD display with clear reading, digit height 10mm
- Flexible application, in horizontal and vertical position
- On/Off switch, data hold function, Zero setting at any position, Unit switchable in mm/inch
- Incl. 1x 3 V battery (type CR2032)
- Built in wireless transmission (optional), E.g P1070-150HW is wireless data.

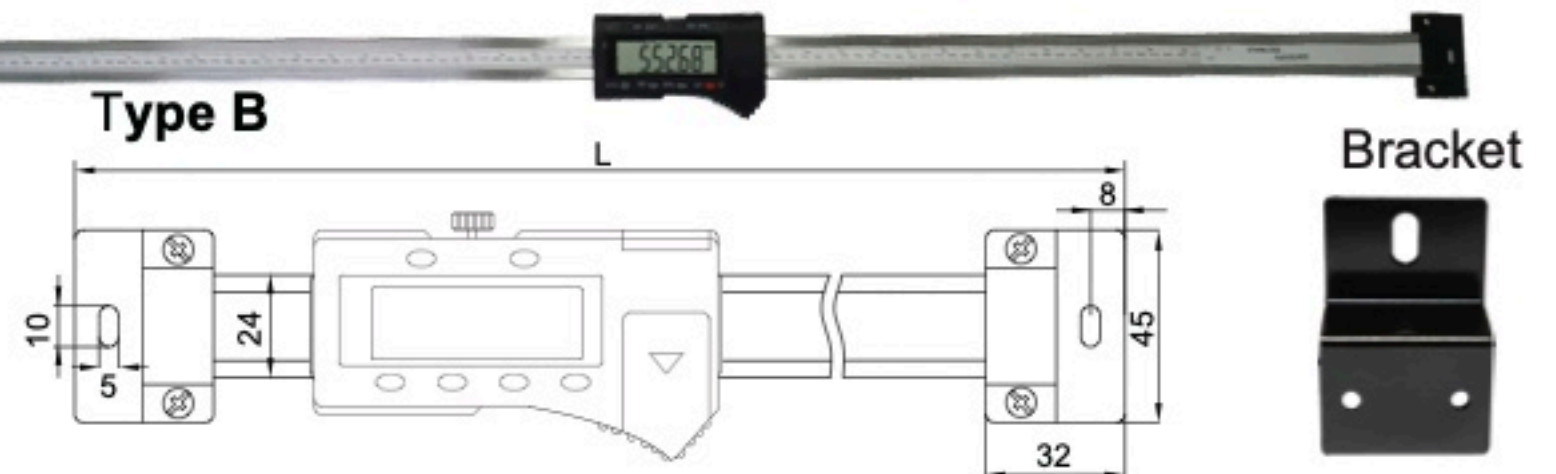
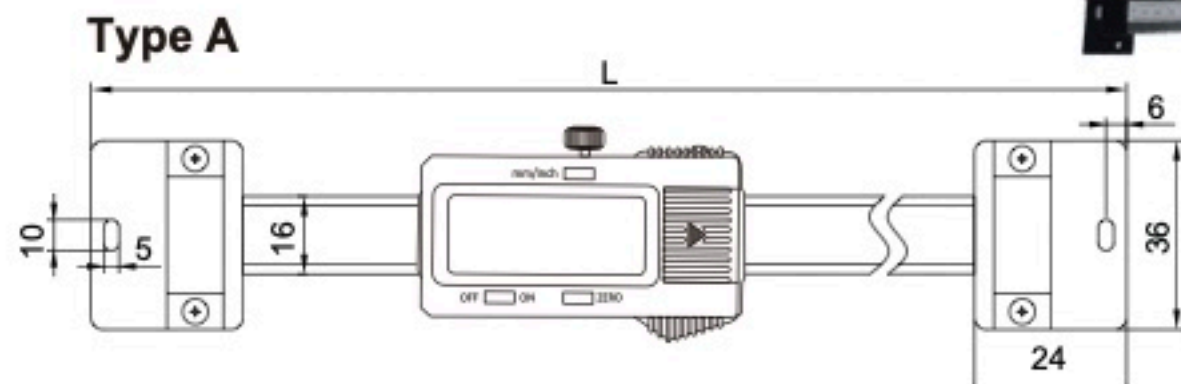


Model No. Horizontal type	Model No. Vertical type	Range mm/in	Resolution	Accuracy
P1070-150H	P1070-150V	0-150mm/0-6"	0.01mm/0.0005"	0.02mm/0.01"
P1070-200H	P1070-200V	0-200mm/0-8"	0.01mm/0.0005"	0.03mm/0.0015"
P1070-300H	P1070-300V	0-300mm/0-12"	0.01mm/0.0005"	0.03mm/0.0015"
P1070-500H	P1070-500V	0-500mm/0-20"	0.01mm/0.0005"	0.05mm/0.002"
P1070-1000H	P1070-1000V	0-1000mm/0-40"	0.01mm/0.0005"	0.06mm/0.0025"

DIGITAL SCALE (Horizontal type)

FEATURES:

- Manual power on/off
- Zero setting at any position
- Metric/Inch system conversion at any position
- With data output interface
- Supplied with bracket to be mounted on the back



Model No.	Range	Type	Accuracy	L
P1067-100A	100 mm	A	±0.02mm	215
P1067-150A	150mm	A	±0.03mm	265
P1067-200A	200mm	A	±0.03mm	315
P1067-300A	300mm	A	±0.04mm	445
P1067-400B	400mm	B	±0.05mm	590

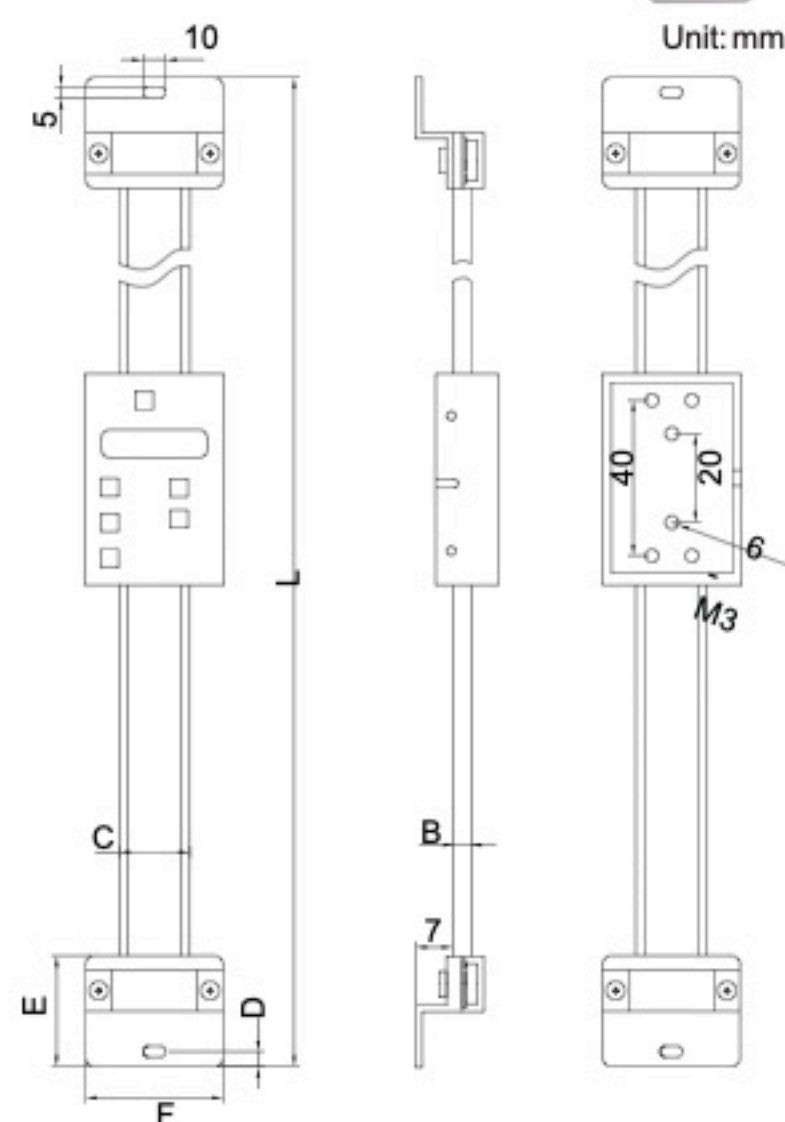
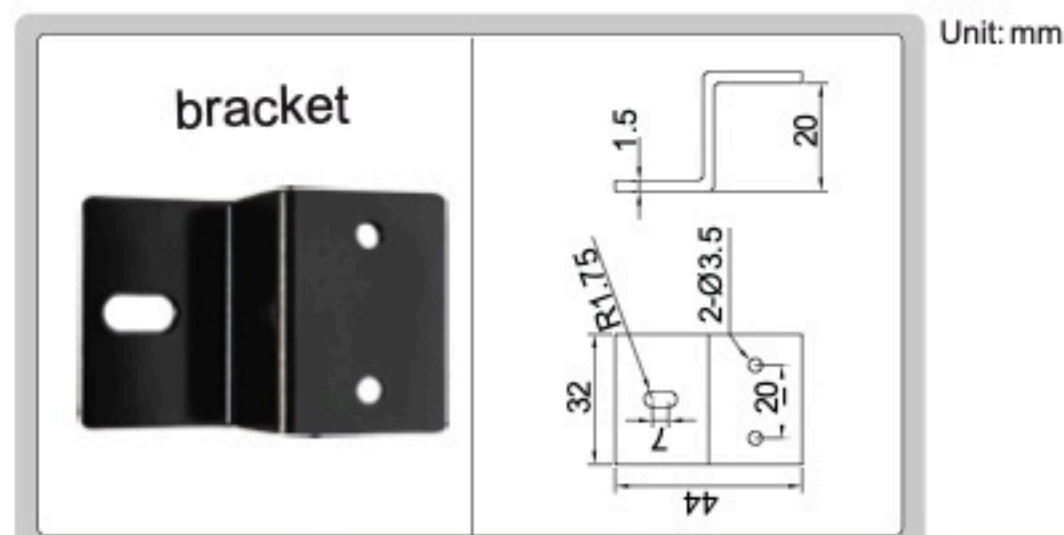
Model No.	Range	Type	Accuracy	L
P1067-500B	500 mm	B	±0.05mm	690
P1067-600B	600mm	B	±0.05mm	790
P1067-800B	800mm	B	±0.07mm	990
P1067-1000B	1000mm	B	±0.07mm	1190
P1067-1500B	1500mm	B	±0.10mm	1700

Unit: mm

DIGITAL SCALE (Vertical type)

FEATURES :

- Manual power on/off, 0.01mm/0.0005"
- Zero setting at any position
- Metric/Inch system conversion at any position
- With data output interface
- With data presetting function
- Absolute measurement and comparison measurement conversion at any position
- Supplied with bracket to be mounted on the back



Unit: mm



Model No.	Range	Accuracy	B	C	D	E	F	L
P1068-100	100mm	±0.02mm	4	20	6	40	24	245
P1068-150	150mm	±0.03mm	4	20	6	40	24	296
P1068-200	200mm	±0.03mm	4	20	6	40	24	345
P1068-300	300mm	±0.04mm	4	20	6	40	24	445
P1068-400	400mm	±0.05mm	4	20	6	40	24	545
P1068-500	500mm	±0.05mm	5.5	24	8	45	32	685
P1068-600	600mm	±0.05mm	5.5	24	8	45	32	785
P1068-800	800mm	±0.07mm	5.5	24	8	45	32	985
P1068-1000	1000mm	±0.07mm	10.5	31	10	60	40	1240
P1068-1200	1200mm	±0.08mm	10.5	31	10	60	40	1440
P1068-1500	1500mm	±0.10mm	10.5	31	10	60	40	1740
P1068-2000	2000mm	±0.12mm	10.5	31	10	60	40	2250

MULTI-FUNCTIONAL MACHINE TOOL DRO

Multi-functional DRO, matched with the linear scale, can be widely used for various machine tool equipment's, e. g., milling machine, boring machine, lathe, grinder, injector, orifice machine, linear cutter, spark machine, etc.

It can provide interface cards and signal converters matched with the computer and 12V and 24V signal converting boxes matched with machine tools and PLC cabinets.

And various special DRO can be designed according to the user's requests.

Metal case DRO series



DROIII-2V



DROIII-3V



DROIII-3E



DROII-1G

Plastic case XH series



XH-2V



XH-3V

DS series



DS-300

Technical Parameters

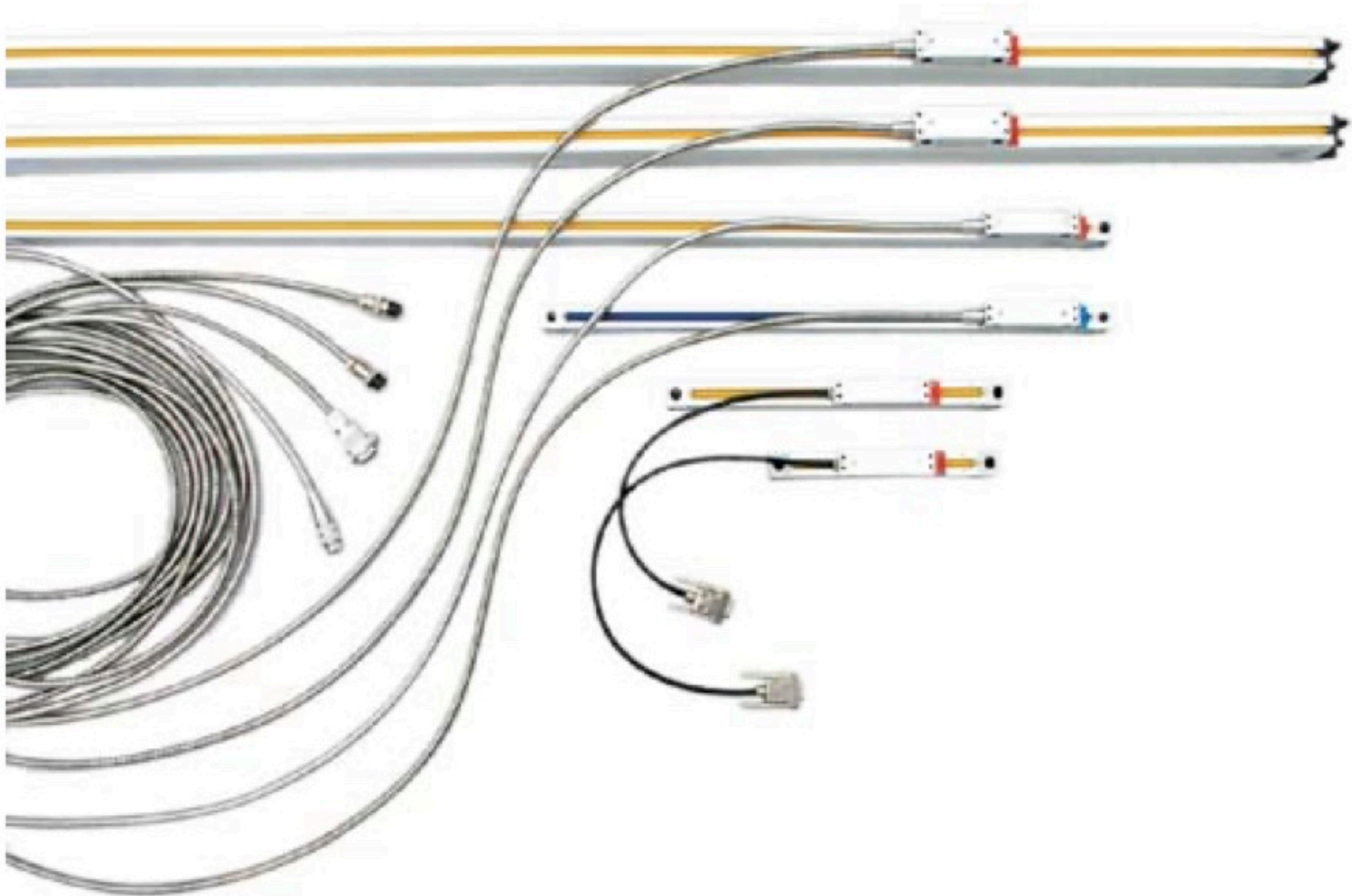
Input Voltage&HZ	AC 80V~ 260V, 50HZ~60HZ
Power consumption	15VA
Number axes	One Two and Three
Display	7 digit display with plus/minus sign and decimal point together with information
Input signal	TTL or RS422
Input signal Hz	≤1MHZ
Resolution	10um 5um 2um 1um 0.5um
Operating keyboard	Pressure sensitive key pad
linear scasle	Pith is 0.02mm, supply power is +5V. Output is two TTL waves with difference of 90° (with zero signal)and current is 50mA(Precision with ±1μm、±5μm、±10μm

Model No.	DROIII-2V/DROIII-3V	XH-2V/XH-3V	DS-300	DROIII-3E	DROII-1G
Resolution	0.1 μm、0.2 μm、0.5 μm、1 μm、2 μm、5 μm、10 μm、20 μm、50 μm				
MM/INC	●	●	●	●	●
Cleaning Key	●	●	●	●	●
Midsplit	●	●	●	●	●
500-group coordinate	●	●	●	●	
Linear scle	●	●	●		●
Arc processing	●	●	●		
inclined cessing	●	●	●		
Bevel drilling	●	●	●	●	
Circular hole Division	●	●	●	●	
Rectangular drilling			●		
Taper measurement	●	●	●		
Calculator function	●	●	●	●	●
Digital filter	●	●	●	●	
EDM output				●	
EDM Depth compensation				●	
Radius / diameter conversion	●	●	●	●	
Linear correction	●	●	●	●	●
Section correction			●		
RS232	Option	Option	Option		Option

MULTI-FUNCTIONAL MACHINE TOOL LINEAR SCALES

The enclosed linear scale is mainly used for position-locating measurement of machine tool equipment, e.g.:

- ◇ Milling machine
- ◇ Drilling machine
- ◇ Lathe machine
- ◇ Grinding machine
- ◇ Processing center
- ◇ Electrosark processing Grinding machine tool
- ◇ Injection molding machine



TECHNICAL SPECIFICATION OF CLOSED TYPE LINEAR SCALES

Model	PF/PL 1um	PF/PL 5um	PS 1um	PS 5um	LS 1um	LS 5um	PG 5um
Optical grating pitch	20um(0.020mm), 10um(0.010mm)						
Optical grating measurement system	Transmission infrared optical measurement system, infrared wave length: 880nm						
Numerical reading head rolling system	Vertical five bearing roller system				45° five bearing roller system		
Resolution	1um	5um	1um	5um	1um	5um	5um
Effective range	50~600mm 50~400mm (FS type)		50~1000mm		50~3000mm		3000~6000mm
Repeatability accuracy	± 1um	± 5um	± 1um	± 5um	± 1um	± 5um	± 40um
Maximum working speed	20m/min(1um) 、 60m/min(5um)						
Output signal	TTL, RS422, ~1V _{PP}						
Power supply	5V ± 5%DC						
Environment	Temperature: -10~45°C, Humidity ≤ 90%						

PF Serial Technical data

Model	Resolution	Effective range	Maximum working speed	Accuracy	
				Standard	High-precision
PF 1um	1um	50 ~ 400mm	20m/min	± 5um	± 3um
PF 5um	5um	50 ~ 400mm	60m/min	± 5um	± 3um

PL Serial Technical data

Model	Resolution	Effective range	Maximum working speed	Accuracy			
				50~500mm		510~600mm	
				Standard	High-precision		High-precision
PL 1um	1um	50~600mm	20m/min	± 5um	± 3um	± 8um	± 5um
PL 5um	5um	50~600mm	60m/min	± 5um	± 3um	± 8um	± 5um

PS Serial Technical data

Model	Resolution	Effective range	Maximum working speed	Accuracy			
				50~500mm		510~1000mm	
				Standard	High-precision	Standard	High-precision
PS 1um	1um	50 ~ 1000mm	20m/min	± 5um	± 3um	± 8um	± 5um
PS 5um	5um	50 ~ 1000mm	60m/min	± 5um	± 3um	± 8um	± 5um

LS Serial Technical data

Model	Resolution	Effective range	Maximum working speed	Accuracy							
				50~500mm		510~1000mm		1010~2000mm		2010~3100mm	
				Standard	High-precision	Standard	High-precision	Standard	High-precision	Standard	High-precision
LS 1um	1um	50 ~ 3100mm	20m/min	± 5um	± 3um	± 8um	± 5um	± 30um	± 20um	± 50um	± 34um
LS 5um	5um	50 ~ 3100mm	60m/min	± 5um	± 3um	± 8um	± 5um	± 30um	± 20um	± 50um	± 34um

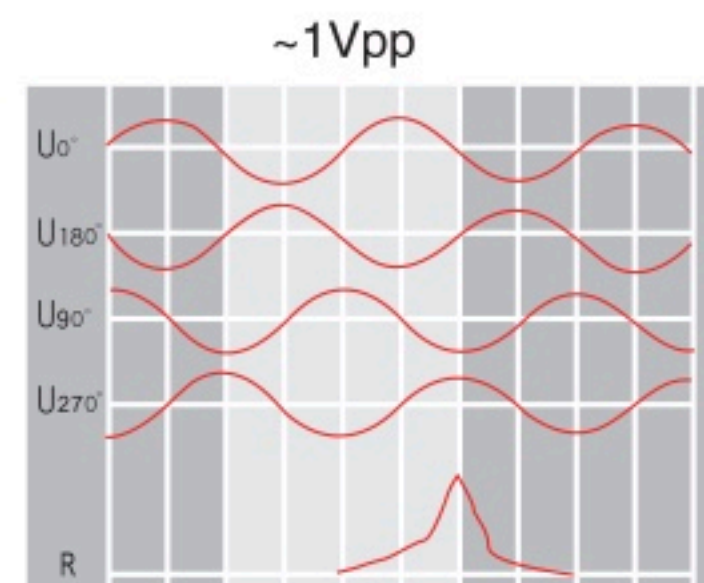
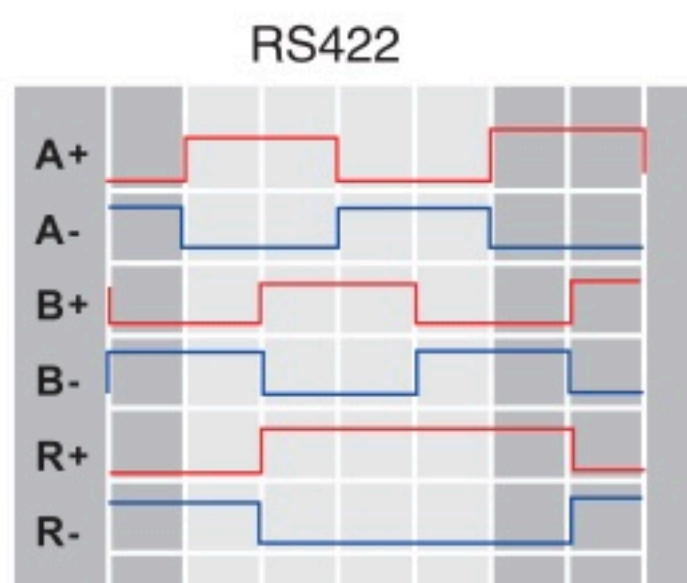
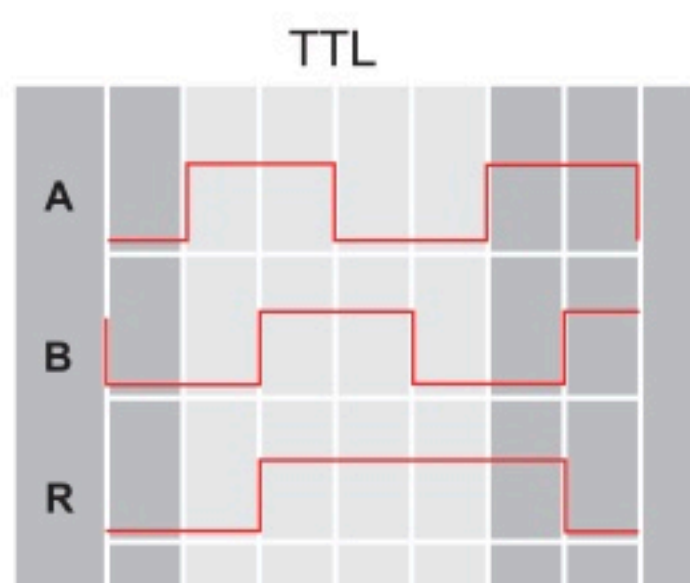
PG Serial Technical data

Model	Resolution	Effective range	Maximum working speed	Accuracy					
				3100~4000mm		4010~5000mm		5010~6000mm	
				Standard	High-precision	Standard	High-precision	Standard	High-precision
PG 5um	5um	3100 ~ 6000mm	60m/min	± 80um	± 70um	± 100um	± 80um	± 120um	± 80um

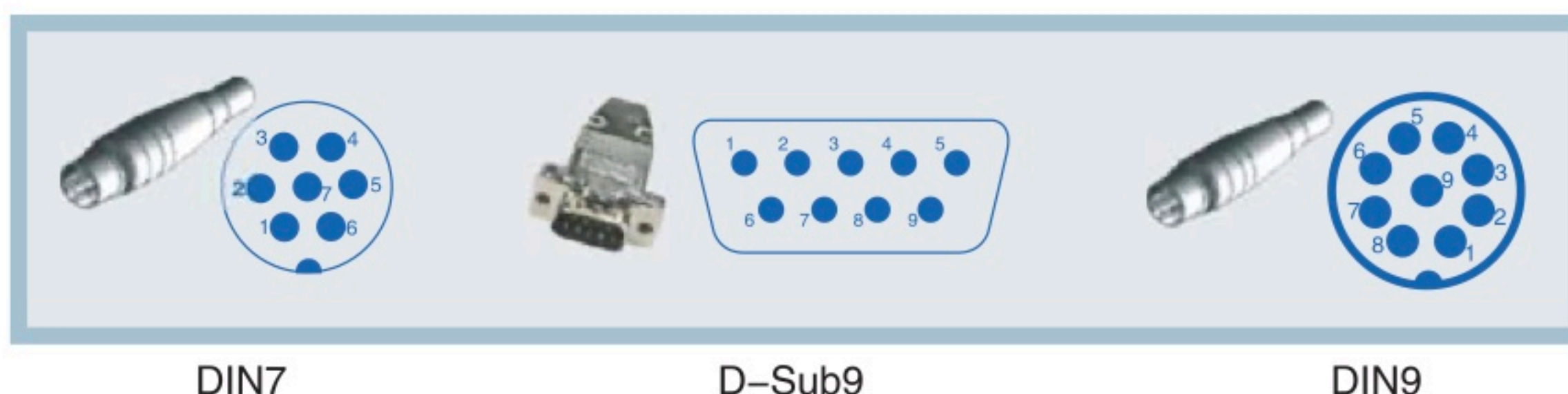
Models:

Size mm	Model No.	Resolution mm	Model No.	Resolution mm
50mm	PS5-50	0.005mm	PS1-50	0.001mm
100mm	PS5-100	0.005mm	PS1-100	0.001mm
150mm	PS5-150	0.005mm	PS1-150	0.001mm
200mm	PS5-200	0.005mm	PS1-200	0.001mm
250mm	PS5-250	0.005mm	PS1-250	0.001mm
300mm	PS5-300	0.005mm	PS1-300	0.001mm
350mm	PS5-350	0.005mm	PS1-350	0.001mm
400mm	PS5-400	0.005mm	PS1-400	0.001mm
450mm	PS5-450	0.005mm	PS1-450	0.001mm
500mm	PS5-500	0.005mm	PS1-500	0.001mm
550mm	PS5-550	0.005mm	PS1-550	0.001mm
600mm	PS5-600	0.005mm	PS1-600	0.001mm
650mm	PS5-650	0.005mm	PS1-650	0.001mm
700mm	PS5-700	0.005mm	PS1-700	0.001mm
750mm	PS5-750	0.005mm	PS1-750	0.001mm
800mm	PS5-800	0.005mm	PS1-800	0.001mm
900mm	PS5-900	0.005mm	PS1-900	0.001mm
1000mm	PS5-1000	0.005mm	PS1-1000	0.001mm
1100mm	PS5-1100	0.005mm	PS1-1100	0.001mm
1200mm	PS5-1200	0.005mm	PS5-1200	0.001mm
1300mm	LS5-1300	0.005mm		
1400mm	LS5-1400	0.005mm		
1500mm	LS5-1500	0.005mm		
1600mm	LS5-1600	0.005mm		
1700mm	LS5-1700	0.005mm		
1800mm	LS5-1800	0.005mm		
1900mm	LS5-1900	0.005mm		
2000mm	LS5-2000	0.005mm		
2100mm	LS5-2100	0.005mm		
2200mm	LS5-2200	0.005mm		
2300mm	LS5-2300	0.005mm		
2400mm	LS5-2400	0.005mm		
2500mm	LS5-2500	0.005mm		
2600mm	LS5-2600	0.005mm		
2700mm	LS5-2700	0.005mm		
2800mm	LS5-2800	0.005mm		
2900mm	LS5-2900	0.005mm		
3000mm	LS5-3000	0.005mm		
3100mm	LS5-3100	0.005mm		

OUTPUT SIGNAL TYPES



PLUG TYPES



DIN7

D-Sub9

DIN9

Pin Number	Signal
1	0V
2	NC
3	A
4	B
5	+5V
6	R
7	GND(shield)

TTL Plug Diagram

Pin Number	Signal	
	EIA-422	TTL
1	A-	NC
2	0V	0V
3	B-	NC
4	GND	GND(shield)
5	R-	NC
6	A+	A+
7	+5V	+5V
8	B+	B+
9	R+	R+

RS422/TTL Plug Diagram

Pin Number	Signal
1	0°
2	0V
3	+5V
4	270°
5	NC
6	180°
7	GND(shield)
8	90°
9	R*

~1Vpp Plug Diagram