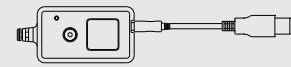


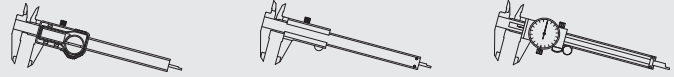
**P1-2**

OUTPUT INTERFACE  
WIRELESS DATA TRANSFERSYSTEM



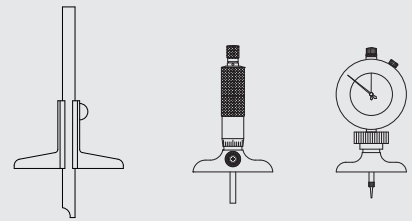
**P3-34**

DIGITAL CALIPER  
VERNIER CALIPER  
DIAL CALIPER



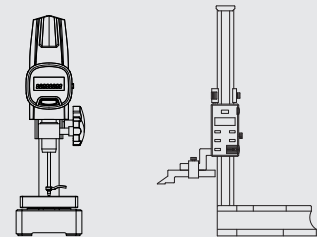
**P35-44**

DEPTH CALIPER  
DEPTH MICROMETER  
DEPTH INDICATOR



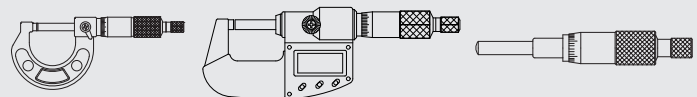
**P45-49**

PRECISION HEIGHT GAGE  
HEIGHT GAGE



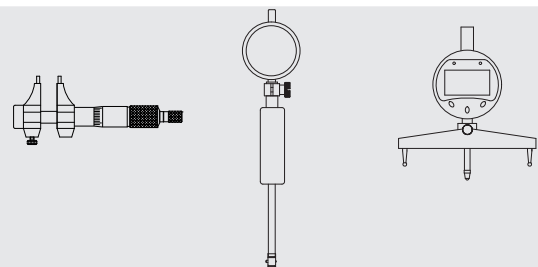
**P50-64**

OUTSIDE MICROMETER  
MICROMETER HEAD  
MICROMETER STAND



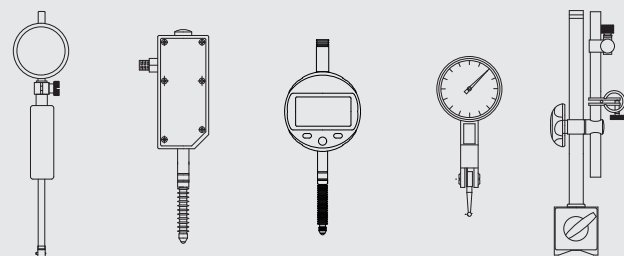
**P65-79**

INSIDE MICROMETER  
BORE GAUGE  
RADIUS GAUGE  
CIRCUMFERENCE TAPE



**P80-105**

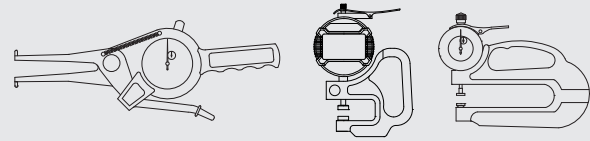
LINEAR GAUGE  
DIAL INDICATOR  
DIGITAL INDICATOR  
DIAL TEST INDICATOR  
MAGNETIC STAND  
INDICATOR STAND  
CONCENTRICITY GAUGE



# INDEX

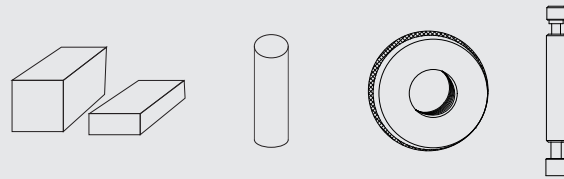
**P106-114**

DIAL CALIPER GAUGE  
DIGITAL CALIPER GAUGE  
THICKNESS GAUGE  
SNAP GAUGE  
CRANKSHAFT TESTER



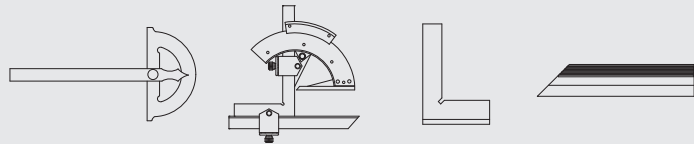
**P115-132**

GAUGE BLOCK  
PIN GAUGE  
STEEL BALL  
MASTER SETTING DISC  
RING GAUGE  
PLUG GAUGE



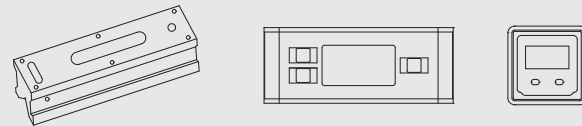
**P133-146**

PROTRACTOR  
SQUARE  
STRAIGHT EDGE



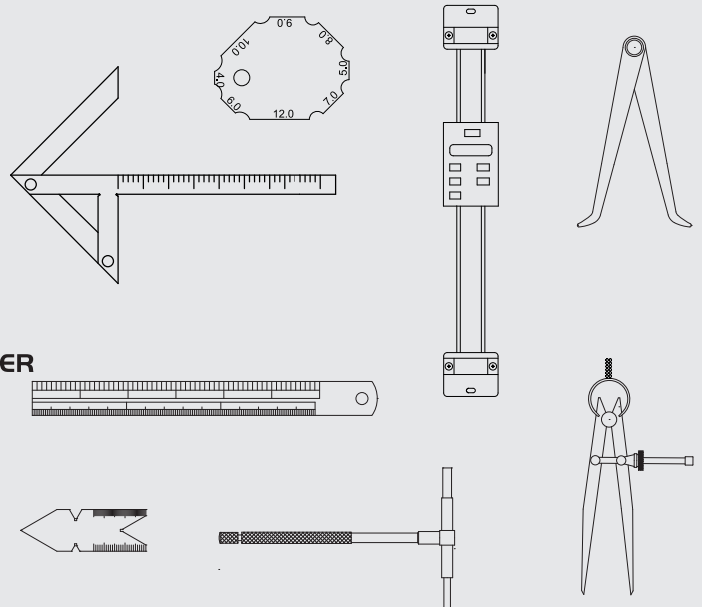
**P147-150**

LEVEL



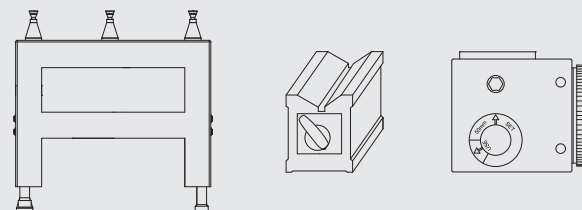
**P151-179**

FEELER  
PITCH GAUGE  
ANGLE GAUGE  
RADIUS GAUGE  
TELESCOPING GAUGE  
TAPER GAUGE  
WELDING GAUGE  
CHAMFER GAUGE  
KEY GAUGE  
INSIDE/OUTSIDE CALIPER  
DIVIDER  
STEEL RULE  
MEASURING TAPE  
MARKING GAUGE  
DIGITAL SCALE  
STEP GAUGE



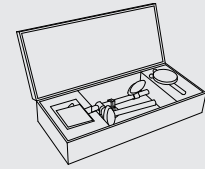
**P180-193**

GRANITE SURFACE PLATE  
V-BLOCK  
PARALLEL SET  
ANGLE PLATE SET  
PRECISION VISE  
CENTERING INDICATOR  
EDGE FINDER  
ZERO SET



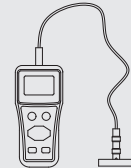
**P193-196**

MEASURING TOOLS SET



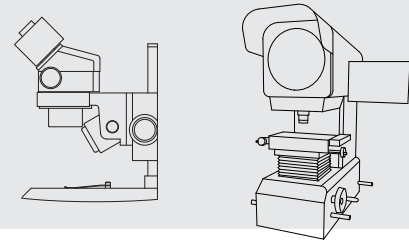
**P197-200**

COATING THICKNESS GAUGE  
ULTRASONIC THICKNESS GAUGE



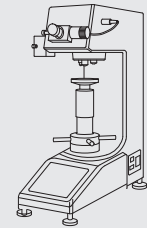
**P201-214**

DIGITAL MICROSCOPE  
STEREO MICROSCOPE  
CAMERA  
PROFILE PROJECTOR  
VISION MACHINE  
ENDOSCOPE



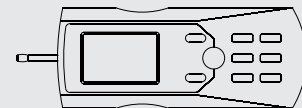
**P215-227**

HARDNESS TESTER



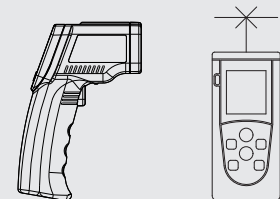
**P228-230**

ROUGHNESS TESTER  
ROUGHNESS SPECIMEN



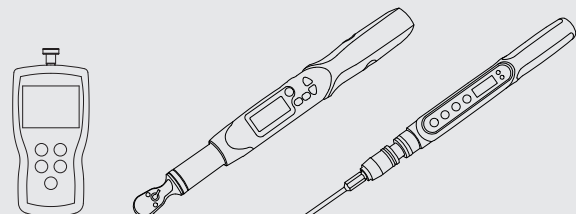
**P230-235**

TEMPERATURE METER  
INFRARED THERMOMETER  
LASER DISTANCE METER  
LASER TACHOMETER  
GLOSS METER



**P236-241**

FORCE GAUGE  
TORQUE WRENCH  
TORQUE SCREWDRIVER  
TORQUE METER

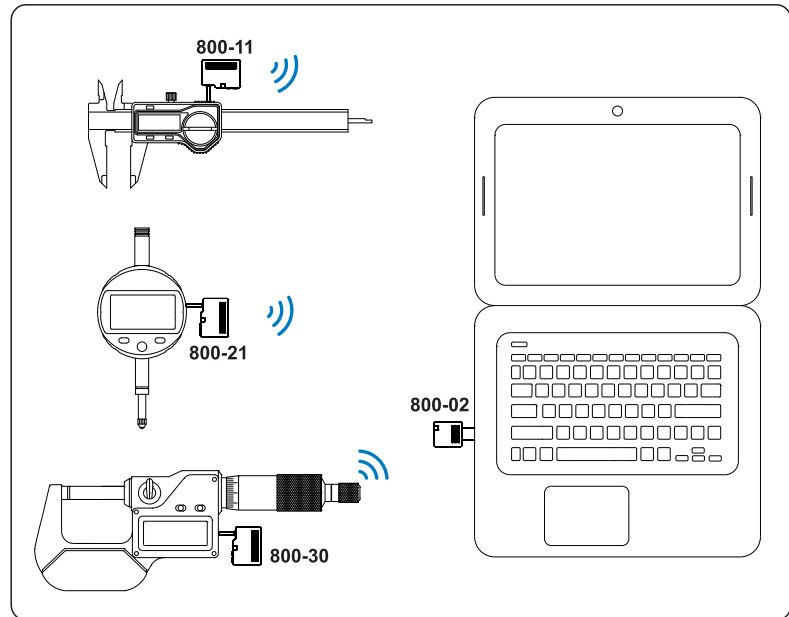









## SERIES 800

## WIRELESS DATA TRANSFER SYSTEM

- ◆ Max. transmission distance: 10m
- ◆ For single channel receiver (**code: 800-01**), it can be only connected to one receiver(gages). There is no software, the data can be transferred into Excel, Word directly.
- ◆ For multi- channel receiver(**code: 800-02**), it can be connected to Max. 8 receivers(gages). It includes a software, the data can be transferred into the software.



Code	Name	Products
800-01	single channel receiver	for follow measuring tools
800-02	multi- channel receiver	for follow measuring tools
800-10	transmitter	for digital calipers with following electronics 
800-11	transmitter	for digital calipers with following electronics 
800-21	transmitter	for digital indicators with following electronics 
800-20	transmitter	for digital indicators with following electronics 
800-30	transmitter	for digital micrometers with data output with following electronics 

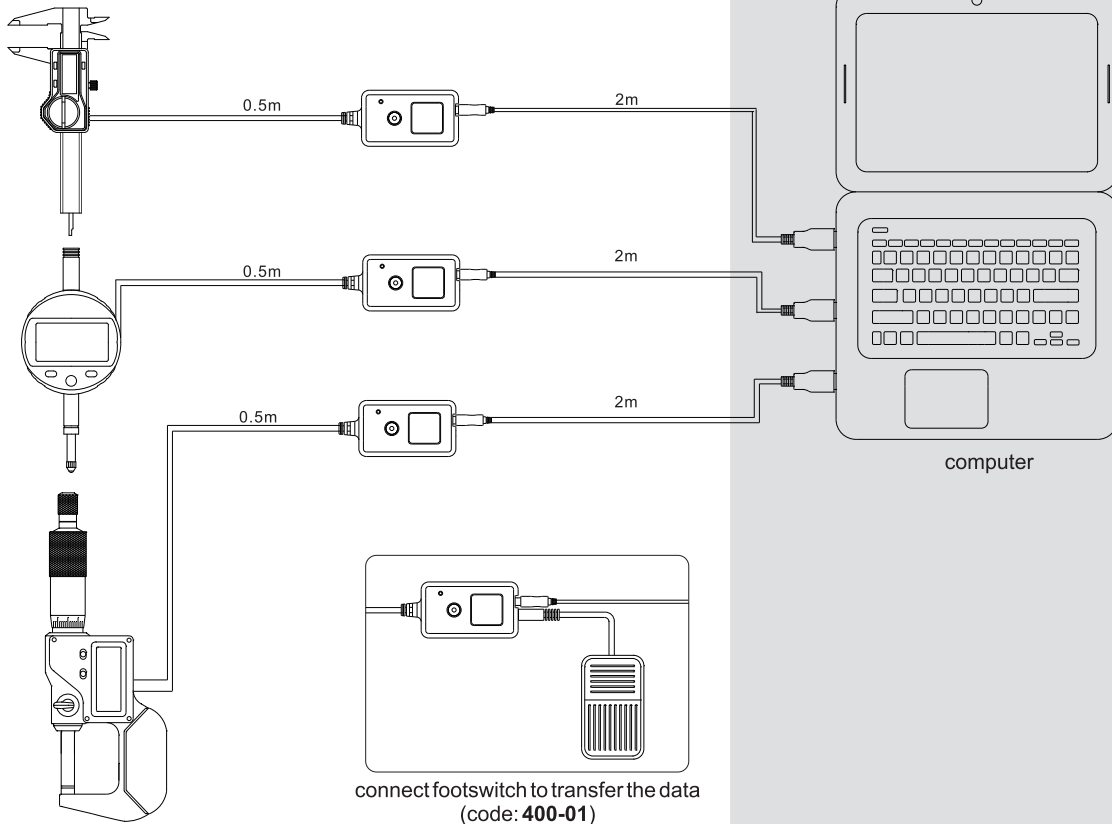


## USB OUTPUT INTERFACE

## 100/200/300/400



100-11



- ◆ The cable without software, push the black button or footswitch, the data can be transferred into Excel, Word directly.
- ◆ The cable with software, the data can be transferred into the software at a set interval time automatically.



computer

Code	Software	Products
100-03	Without	for digital calipers with following electronics 
100-04	With	
100-11	Without	for digital calipers with following electronics 
100-12	With	
100-13	Without	for digital calipers and micrometers with following electronics 
100-15	Without	for digital calipers with following electronics 

Code	Software	Products
200-03	Without	for digital indicators with following electronics 
200-04	With	
200-01	Without	for digital indicators with following electronics 
200-02	With	
300-01	Without	for digital micrometers with following electronics 
300-03	Without	for digital micrometers with data output with following electronics 

## SERIES 111

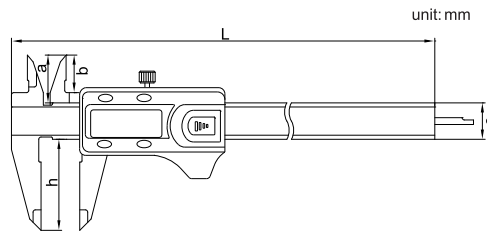
## DIGITAL CALIPER



- ◆ High accuracy due to using the glass scale
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/in, ABS
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Meet DIN862
- ◆ Made of stainless steel



111-006-11N



Code	Range	Accuracy	a	b	c	h	L
111-006-11N	0-150mm/0-6"	±0.03mm	21	16	16	40	236
111-008-11N	0-200mm/0-8"	±0.03mm	24	19	16	50	286
111-012-11N	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

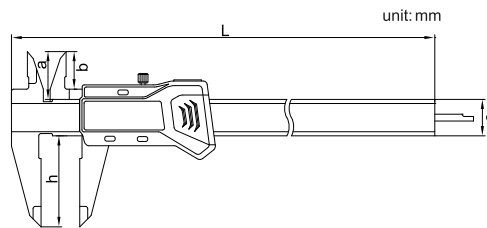
## SERIES 111

## DIGITAL CALIPER

- ◆ High accuracy due to using the glass scale
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/in, ABS
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Meet DIN862
- ◆ Made of stainless steel



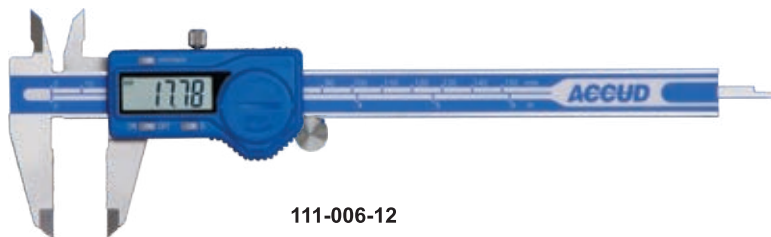
111-006-10



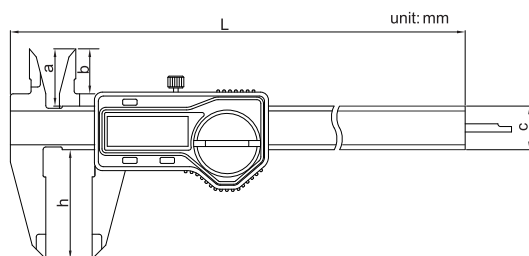
Code	Range	Accuracy	a	b	c	h	L
111-006-10	0-150mm/0-6"	±0.03mm	21	16	16	40	236
111-008-10	0-200mm/0-8"	±0.03mm	24	19	16	50	286
111-012-10	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

## DIGITAL CALIPER

## SERIES 111



111-006-12



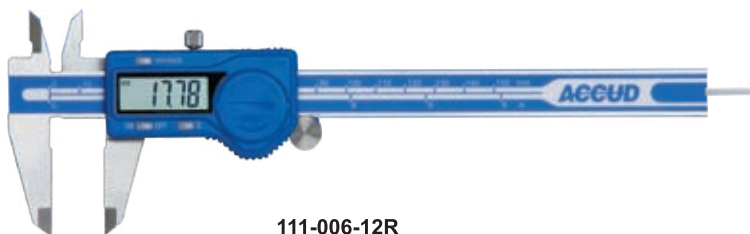
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Meet DIN862
- ◆ Made of stainless steel



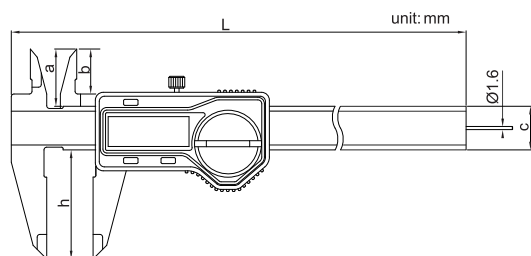
Code	Range	Accuracy	a	b	c	h	L
111-006-12	0-150mm/0-6"	±0.03mm	21	16	16	40	236
111-008-12	0-200mm/0-8"	±0.03mm	24	19	16	50	286
111-012-12	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

## DIGITAL CALIPER WITH ROUND DEPTH BAR

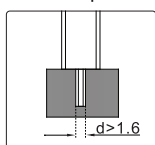
## SERIES 111



111-006-12R



round depth bar

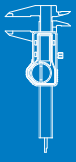


- ◆ With round depth bar, for small hole depth measurement
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Meet DIN862
- ◆ Made of stainless steel

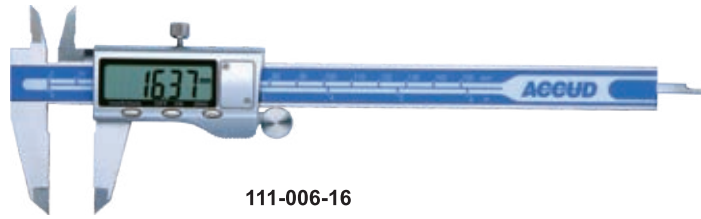
Code	Range	Accuracy	Thumb roller	a	b	c	h	L
111-006-12R	0-150mm/0-6"	±0.03mm	with	21	16	16	40	236
111-006-12RW	0-150mm/0-6"	±0.03mm	without	21	16	16	40	236

## SERIES 111

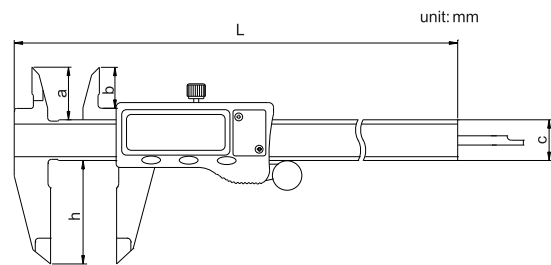
## DIGITAL CALIPER WITH METAL COVER



- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Made of stainless steel



111-006-16

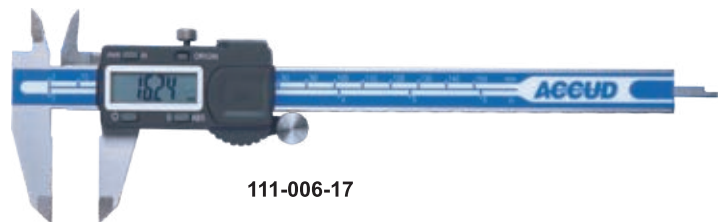


Code	Range	Accuracy	a	b	c	h	L
111-006-16	0-150mm/0-6"	±0.03mm	21	16	16	40	236
111-008-16	0-200mm/0-8"	±0.03mm	24	19	16	50	286
111-012-16	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

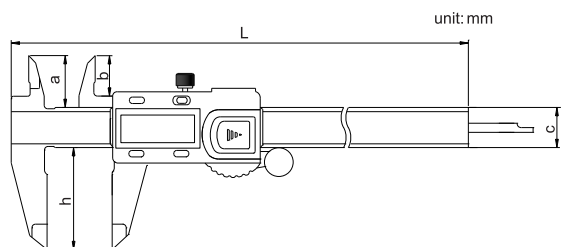
## SERIES 111

## DIGITAL CALIPER

- ◆ High accuracy
- ◆ Absolute system
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, ABS/REL, inch/mm, origin
- ◆ Data output
- ◆ Meet DIN862
- ◆ Made of stainless steel



111-006-17



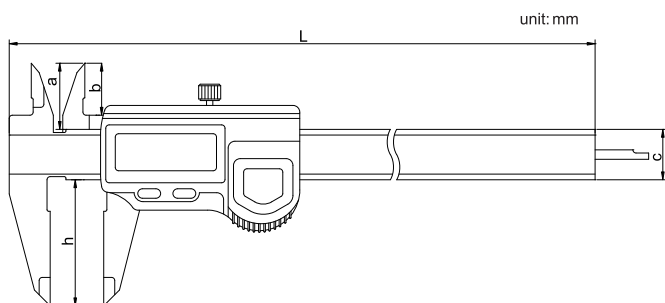
Code	Range	Accuracy	a	b	c	h	L
111-006-17	0-150mm/0-6"	±0.02mm	21	16.5	16	40	236
111-008-17	0-200mm/0-8"	±0.02mm	24	19	16	50	286
111-012-17	0-300mm/0-12"	±0.03mm	26	20.5	16	60	400

## IP67 DIGITAL CALIPER

## SERIES 112



112-006-12



unit: mm

- ◆ IP67 protection level
- ◆ Absolute measuring system
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power off
- ◆ Buttons: on/off, zero, mm/inch



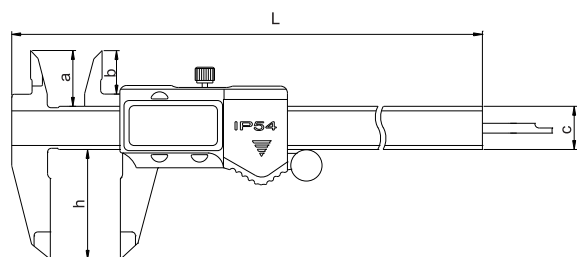
Code	Range	Accuracy	a	b	c	h	L
112-006-12	0-150mm/0-6"	±0.03mm	21	16.5	16	40	236
112-008-12	0-200mm/0-8"	±0.03mm	24	20	16	50	286
112-012-12	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

## FRACTIONAL DIGITAL CALIPER

## SERIES 113



113-006-11



unit: mm

- ◆ With fraction reading
- ◆ Resolution: 0.01mm, 0.0005", 1/128"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Made of stainless steel

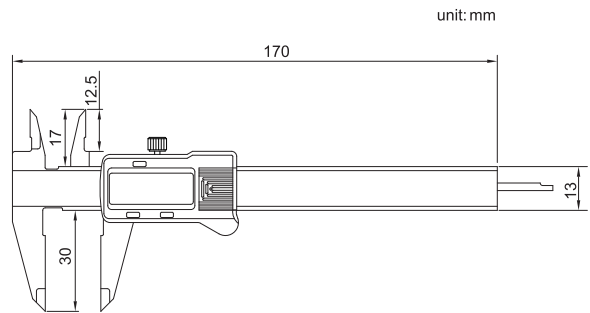
Code	Range	Accuracy	a	b	c	h	L
113-006-11	0-150mm/0-6"	±0.03mm	21	16	16	40	236
113-008-11	0-200mm/0-8"	±0.03mm	24	19	16	50	286
113-012-11	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

## 114

## MINI DIGITAL CALIPER



- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Meet DIN862
- ◆ Made of stainless steel



Code	Range	Accuracy
114-004-11	0-100mm/0-4"	±0.02mm

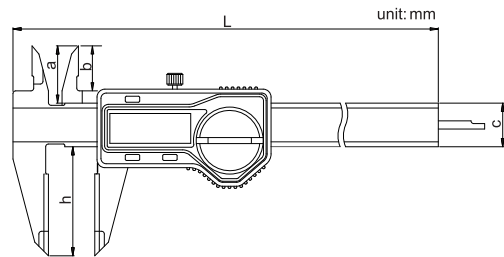
## SERIES 115

## DIGITAL CALIPER

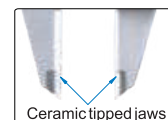
- ◆ Ceramic tipped jaws for outside measurements, good wear-resistance, non-magnetic, non-conductive
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Made of stainless steel



115-006-11



Code	Range	Accuracy	a	b	c	h	L
115-006-11	0-150mm/0-6"	0.02mm	21	16.5	16	40	236
115-008-11	0-200mm/0-8"	0.02mm	24	19	16	50	286
115-012-11	0-300mm/0-12"	0.03mm	26	20.5	16	60	400

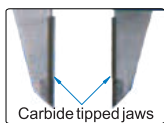
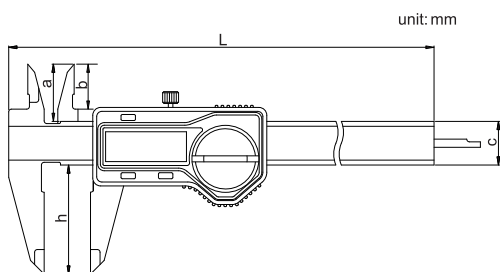


## DIGITAL CALIPER WITH CARBIDE TIPPED JAWS

### SERIES 116



116-006-11



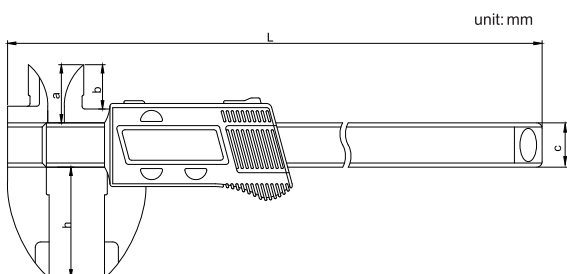
Carbide tipped jaws

- ◆ Carbide tipped jaws for inside and outside measurements, good wear-resistance
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Made of stainless steel

Code	Range	Accuracy	a	b	c	h	L
116-006-11	0-150mm/0-6"	±0.03mm	21	16	16	40	236
116-008-11	0-200mm/0-8"	±0.03mm	24	19	16	50	286
116-012-11	0-300mm/0-12"	±0.03mm	25	20.5	16	60	400

## PLASTIC DIGITAL CALIPER

### 117



- ◆ Made of hard plastic
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch

Code	Range	Accuracy	a	b	c	h	L
117-006-11	0-150mm/0-6"	±0.1mm	21	16	16	40	243

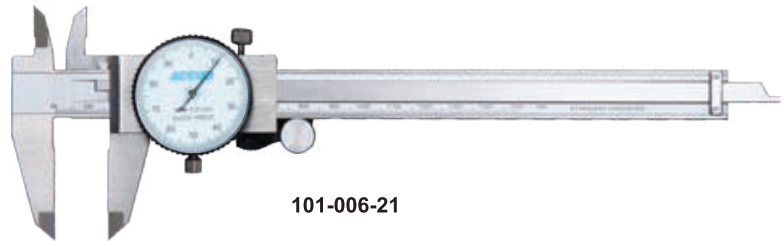


## SERIES 101

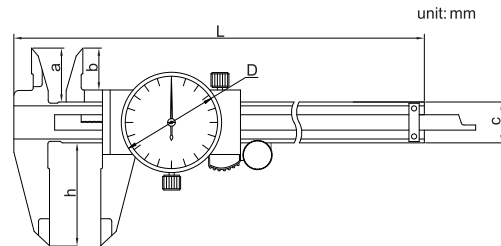
## DIAL CALIPER



- ◆ Shockproof dial indicator
- ◆ Made of stainless steel



101-006-21

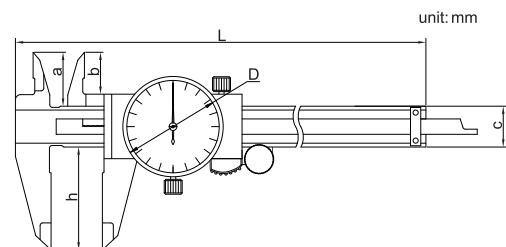


Code	Range	Graduation	Accuracy	a	b	c	h	D	L
101-006-11	0-150mm	0.01mm	±0.03mm	21	16.5	16	40	Ø39	233
101-008-11	0-200mm	0.01mm	±0.03mm	24	19	16	50	Ø39	288
101-012-11	0-300mm	0.01mm	±0.04mm	30	25	20	64	Ø44	390
101-006-21	0-150mm	0.02mm	±0.03mm	21	16.5	16	40	Ø39	233
101-008-21	0-200mm	0.02mm	±0.03mm	24	19	16	50	Ø39	288
101-012-21	0-300mm	0.02mm	±0.04mm	30	25	20	64	Ø44	390

## SERIES 101

## INCH DIAL CALIPER

- ◆ Shockproof dial indicator
- ◆ Made of stainless steel

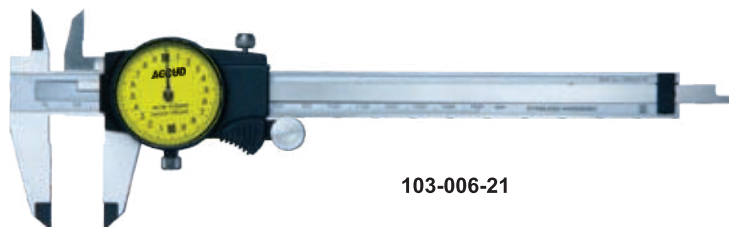


Code	Range	Graduation	Accuracy	a	b	c	h	D	L
101-006-11I	0-6"	0.001in	±0.0015in	21	16.5	16	40	Ø39	233
101-008-11I	0-8"	0.001in	±0.0020in	24	19	16	50	Ø39	288
101-012-11I	0-12"	0.001in	±0.0020in	30	25	20	64	Ø44	390

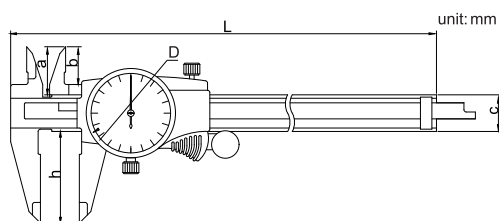


## DIAL CALIPER

## SERIES 103



103-006-21



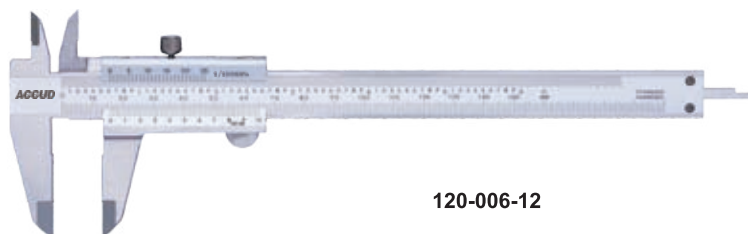
- ◆ Shockproof dial indicator
- ◆ Made of stainless steel



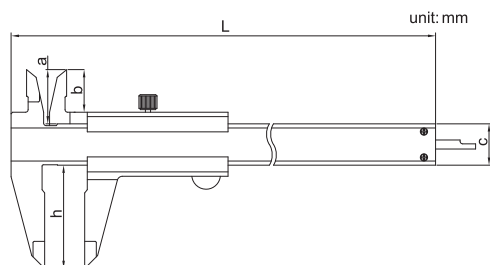
Code	Range	Graduation	Accuracy	a	b	c	h	D	L
103-006-11	0-150mm	0.01mm	±0.03mm	21	16.5	16	40	Ø39	233
103-008-11	0-200mm	0.01mm	±0.03mm	24	19	16	50	Ø39	288
103-006-21	0-150mm	0.02mm	±0.03mm	21	16.5	16	40	Ø39	233
103-008-21	0-200mm	0.02mm	±0.03mm	24	19	16	50	Ø39	288
103-012-21	0-300mm	0.02mm	±0.04mm	30	25	20	64	Ø44	390

## VERNIER CALIPER

## SERIES 120



120-006-12

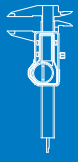


- ◆ Meet DIN862
- ◆ Stain chrome plated reading surface
- ◆ Made of stainless steel

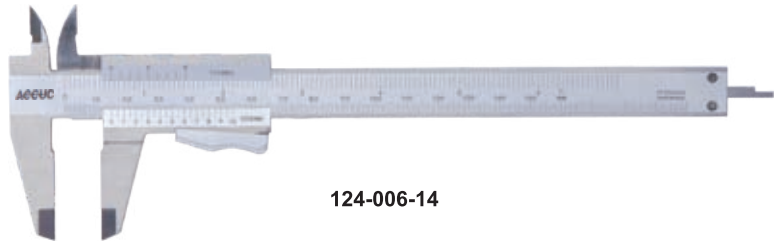
Code	Range	Graduation	Accuracy	a	b	c	h	L
120-006-12	0-150mm/0-6"	0.02mm/0.001"	±0.03mm	20.5	15.5	16	40	235
120-008-12	0-200mm/0-8"	0.02mm/0.001"	±0.03mm	23.5	19	16	50	290
120-012-12	0-300mm/0-12"	0.02mm/0.001"	±0.03mm	27.5	22	20	64	414
120-006-14	0-150mm/0-6"	0.05mm/1/128"	±0.05mm	20.5	15.5	16	40	235
120-008-14	0-200mm/0-8"	0.05mm/1/128"	±0.05mm	23.5	19	16	50	290
120-012-14	0-300mm/0-12"	0.05mm/1/128"	±0.05mm	27.5	22	20	64	414

## SERIES 124

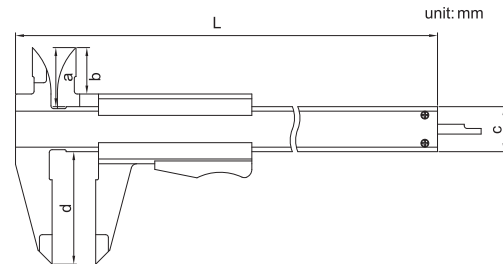
## VERNIER CALIPER



- ◆ With auto thumb clamp
- ◆ Meet DIN862
- ◆ Stain chrome plated reading surface
- ◆ Made of stainless steel



124-006-14

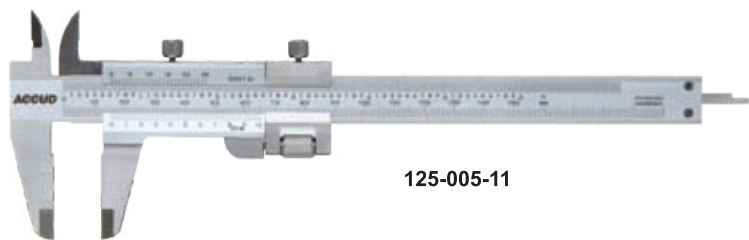


Code	Range	Graduation	Accuracy	a	b	c	h	L
124-006-12	0-150mm/0-6"	0.02mm/0.001"	±0.03mm	20.5	15.5	16	40	235
124-008-12	0-200mm/0-8"	0.02mm/0.001"	±0.03mm	23.5	19	16	50	290
124-006-14	0-150mm/0-6"	0.05mm/1/128"	±0.05mm	20.5	15.5	16	40	235
124-008-14	0-200mm/0-8"	0.05mm/1/128"	±0.05mm	23.5	19	16	50	290

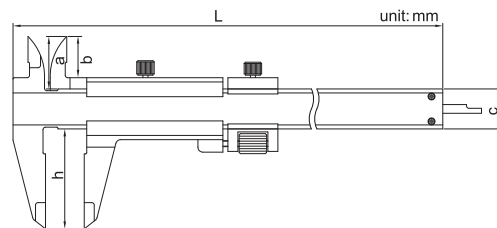
## SERIES 125

## VERNIER CALIPER

- ◆ With fine adjustment
- ◆ Graduation: 0.02mm/0.001"
- ◆ Meet DIN862
- ◆ Stain chrome plated reading surface
- ◆ Made of stainless steel



125-005-11



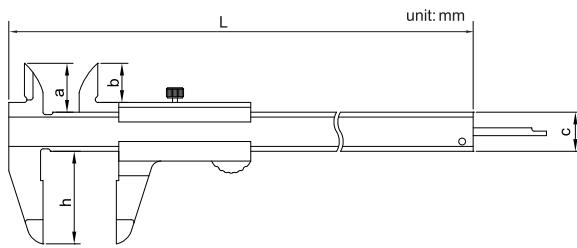
Code	Range	Accuracy	a	b	c	h	L
125-005-11	0-130mm/0-5"	±0.03mm	20.5	16.5	16	40	230
125-007-11	0-180mm/0-7"	±0.03mm	23.5	19	16	50	295
125-011-11	0-280mm/0-11"	±0.03mm	36	20	20	60	410

## MINI VERNIER CALIPER

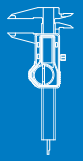
## SERIES 121



121-003-11



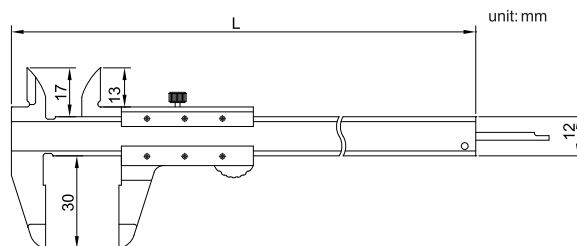
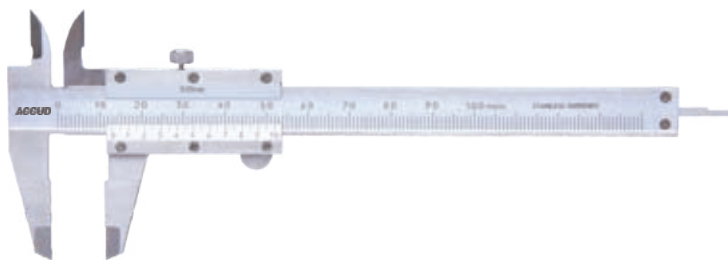
- ◆ Meet DIN862
- ◆ Stain chrome plated reading surface
- ◆ Made of stainless steel



Code	Range	Graduation	Accuracy	a	b	h	L	C
121-003-11	0-70mm	0.05mm	±0.05mm	10	8	19	113	8
121-004-11	0-100mm	0.05mm	±0.05mm	17	13	30	160	12

## MINI VERNIER CALIPER

## SERIES 121

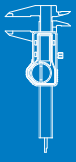


- ◆ Meet DIN862
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface

Code	Range	Graduation	Accuracy	L
121-004-11B	0-100mm	0.05mm	±0.05mm	160

## SERIES 118

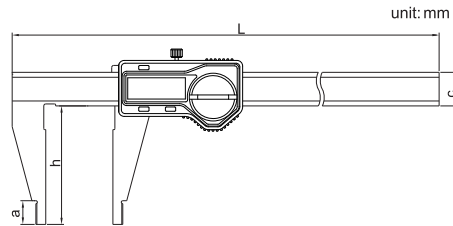
## DIGITAL CALIPER



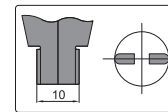
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



118-012-14



Code	Range	Accuracy	a	c	h
118-008-11	0-200mm/0-8"	±0.03mm	12	17	60
118-012-14	0-300mm/0-12"	±0.04mm	12	17	60
118-012-15	0-300mm/0-12"	±0.04mm	12	17	90



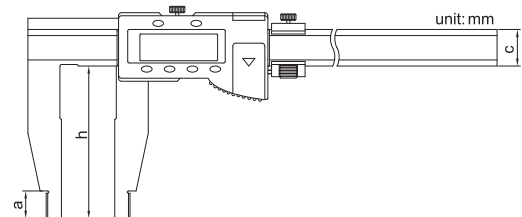
## SERIES 118

## DIGITAL CALIPER

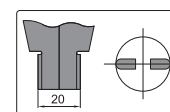
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch, ABS, data preset
- ◆ Data output
- ◆ Made of stainless steel



118-020-11

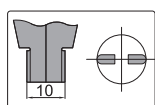
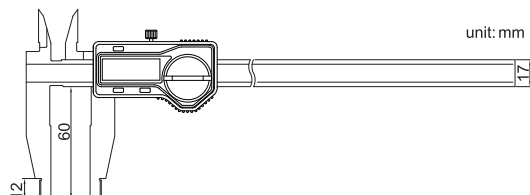


Code	Range	Accuracy	a	c	h
118-012-11	0-300mm/0-12"	±0.04mm	18	24	100
118-012-12	0-300mm/0-12"	±0.05mm	18	24	150
118-012-13	0-300mm/0-12"	±0.05mm	18	24	200
118-020-11	0-500mm/0-20"	±0.05mm	18	24	100
118-020-12	0-500mm/0-20"	±0.06mm	18	24	150
118-020-13	0-500mm/0-20"	±0.06mm	18	32	200
118-020-14	0-500mm/0-20"	±0.08mm	18	42	300
118-024-11	0-600mm/0-24"	±0.05mm	18	24	100
118-024-12	0-600mm/0-24"	±0.06mm	18	24	150
118-024-13	0-600mm/0-24"	±0.06mm	18	32	200
118-024-15	0-600mm/0-24"	±0.08mm	18	32	300
118-040-11	0-1000mm/0-40"	±0.08mm	24	32	150
118-040-12	0-1000mm/0-40"	±0.08mm	24	32	200
118-040-13	0-1000mm/0-40"	±0.10mm	24	42	300
118-060-11	0-1500mm/0-60"	±0.11mm	24	42	150
118-080-11	0-2000mm/0-80"	±0.14mm	24	42	150



## DIGITAL CALIPER

## SERIES 119



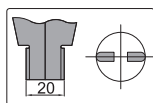
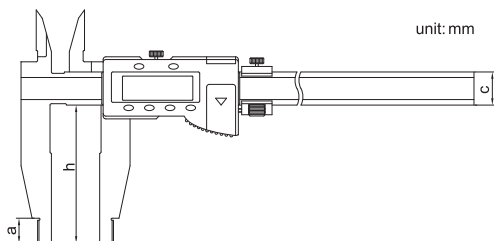
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



Code	Range	Accuracy
119-012-11	0-300mm/0-12"	±0.04mm

## DIGITAL CALIPER

## SERIES 119



- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch, ABS, data preset
- ◆ Data output
- ◆ Made of stainless steel

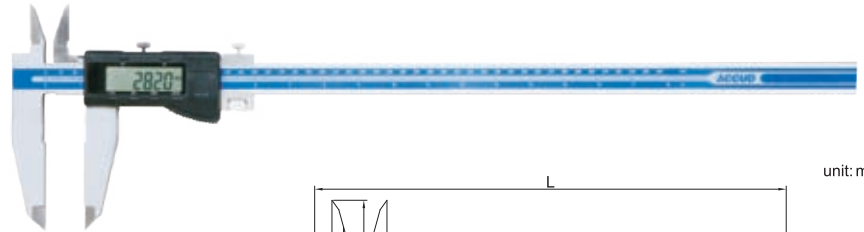
Code	Range	Accuracy	a	c	h
119-012-12	0-300mm/0-12"	±0.05mm	18	24	100
119-020-11	0-500mm/0-20"	±0.05mm	18	24	100
119-020-12	0-500mm/0-20"	±0.06mm	18	24	150
119-020-13	0-500mm/0-20"	±0.06mm	18	24	200
119-024-11	0-600mm/0-24"	±0.05mm	18	24	100
119-024-12	0-600mm/0-24"	±0.06mm	18	24	150
119-024-14	0-600mm/0-24"	±0.06mm	18	32	200
119-040-11	0-1000mm/0-40"	±0.08mm	24	32	150
119-040-12	0-1000mm/0-40"	±0.08mm	24	32	200
119-060-11	0-1500mm/0-60"	±0.11mm	24	42	150
119-060-12	0-1500mm/0-60"	±0.12mm	24	42	200

## SERIES 150

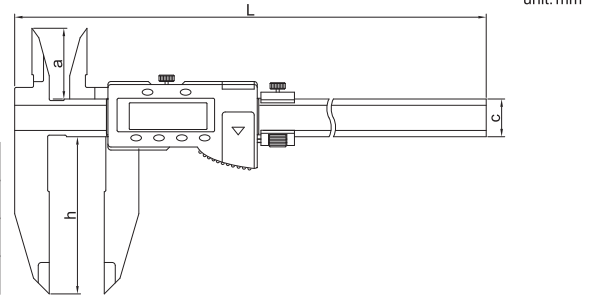
## DIGITAL CALIPER



- ◆ Resolution: 0.01mm/0.0005"
- ◆ Button function: on/off, zero, mm/inch, ABS, data preset
- ◆ Data output
- ◆ Made of stainless steel



150-018-11

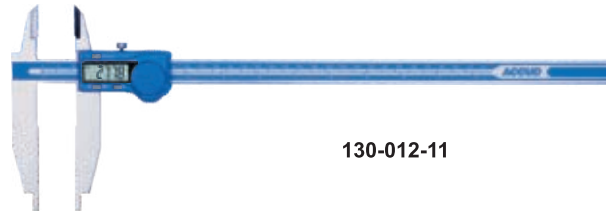


Code	Range	Accuracy	a	c	h	L
150-018-11	0-450mm/0-18"	±0.05mm	45	24	100	610
150-024-11	0-600mm/0-24"	±0.05mm	45	24	100	770
150-040-11	0-1000mm/0-40"	±0.08mm	60	31	150	1220

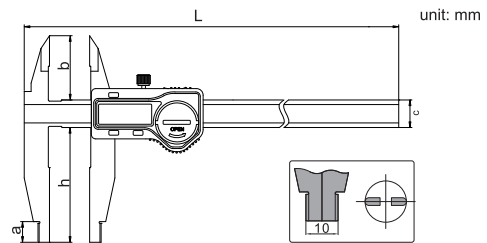
## SERIES 130

## DIGITAL CALIPER

- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



130-012-11

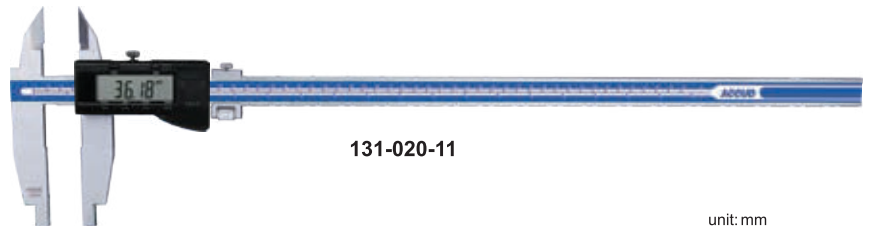


Code	Range	Accuracy	a	b	c	h	L
130-008-11	0-200mm/0-8"	±0.03mm	12	38	17	60	320
130-012-11	0-300mm/0-12"	±0.04mm	12	38	17	60	420
130-012-12	0-300mm/0-12"	±0.04mm	12	38	17	90	420

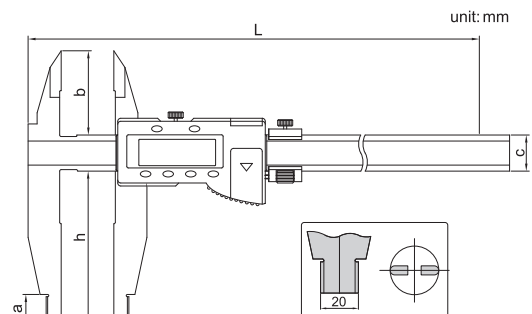
## SERIES 131

## DIGITAL CALIPER

- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch, ABS, data preset
- ◆ Data output
- ◆ Made of stainless steel



131-020-11



Code	Range	Accuracy	a	b	c	h	L
131-012-11	0-300mm/0-12"	±0.05mm	18	56	24	100	420
131-020-11	0-500mm/0-20"	±0.05mm	18	56	24	100	675
131-020-12	0-500mm/0-20"	±0.06mm	18	56	24	150	675
131-024-11	0-600mm/0-24"	±0.05mm	18	56	24	100	770
131-028-11	0-800mm/0-32"	±0.07mm	24	67	31	150	1025
131-040-11	0-1000mm/0-40"	±0.08mm	24	67	31	150	1220

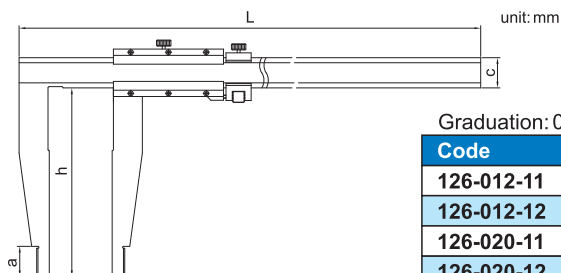
## VERNIER CALIPER

## SERIES 126

- ◆ With fine adjustment
- ◆ Made of stainless steel
- ◆ Stain chrome reading surface



126-040-11

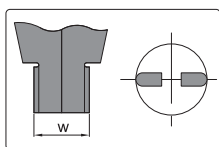


Graduation: 0.02mm/0.001"

Code	Range	Accuracy	a	c	h	w	L
126-012-11	0-300mm/0-12"	±0.05mm	12	17	90	10	410
126-012-12	0-300mm/0-12"	±0.05mm	18	24	150	20	470
126-020-11	0-500mm/0-20"	±0.06mm	18	24	150	20	670
126-020-12	0-500mm/0-20"	±0.06mm	18	24	200	20	670
126-024-11	0-600mm/0-24"	±0.06mm	18	24	150	20	770
126-024-12	0-600mm/0-24"	±0.08mm	24	32	250	20	770
126-040-11	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220
126-040-12	0-1000mm/0-40"	±0.11mm	24	32	300	20	1220
126-120-12	0-3000mm/0-120"	±0.26mm	24	50	300	20	3360

Graduation: 0.05mm/1/128"

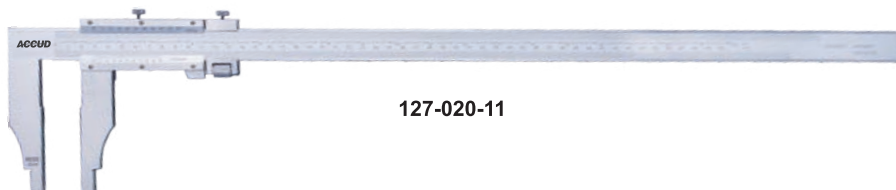
Code	Range	Accuracy	a	c	h	w	L
126-020-51	0-500mm/0-20"	±0.08mm	18	24	150	20	670
126-040-51	0-1000mm/0-40"	±0.12mm	24	50	200	20	1330



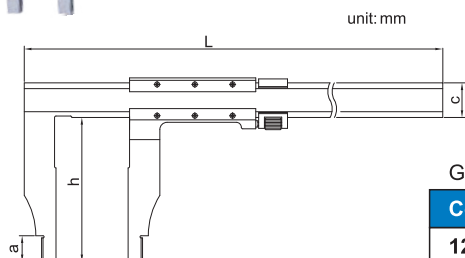
## VERNIER CALIPER

## SERIES 127

- ◆ With fine adjustment
- ◆ Made of stainless steel
- ◆ Stain chrome reading surface



127-020-11

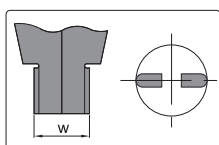


Graduation: 0.02mm/0.001"

Code	Range	Accuracy	a	c	h	w	L
127-012-11	0-300mm/0-12"	±0.05mm	10	20	75	10	410
127-020-11	0-500mm/0-20"	±0.05mm	18	24	100	20	670
127-024-11	0-600mm/0-24"	±0.05mm	18	24	100	20	770
127-040-11	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216
127-060-11	0-1500mm/0-60"	±0.11mm	24	42	180	20	1830
127-080-11	0-2000mm/0-80"	±0.14mm	24	42	200	20	2320

Graduation: 0.05mm/1/128"

Code	Range	Accuracy	a	c	h	w	L
127-024-51	0-600mm/0-24"	±0.08mm	18	24	100	20	770
127-040-51	0-1000mm/0-40"	±0.12mm	24	32	140	20	1216

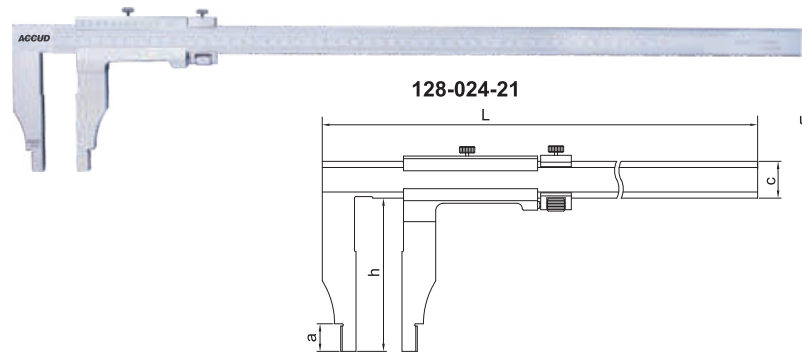


## SERIES 128

## VERNIER CALIPER



- ◆ Made of stainless steel
- ◆ With fine adjustment
- ◆ Satin chrome plated reading surface



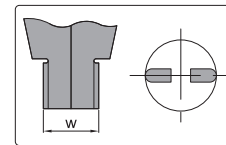
unit: mm

Graduation: 0.02mm/0.001"

Code	Range	Accuracy	a	c	h	w	L
128-024-21	0-600mm/0-24"	±0.06mm	18	24	100	20	770
128-024-22	0-600mm/0-24"	±0.08mm	18	24	150	20	770
128-060-21	0-1500mm/0-60"	±0.11mm	24	42	150	20	1820
128-080-21	0-2000mm/0-80"	±0.14mm	24	42	150	20	2230

Graduation: 0.05mm/1/128"

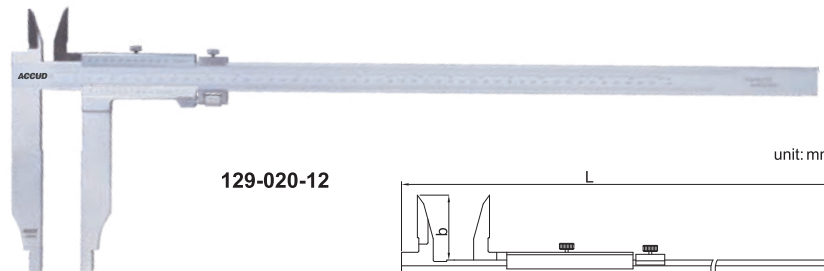
Code	Range	Accuracy	a	c	h	w	L
128-012-51	0-300mm/0-12"	±0.07mm	18	24	100	20	410
128-012-52	0-300mm/0-12"	±0.07mm	18	24	150	20	410
128-024-51	0-600mm/0-24"	±0.08mm	18	24	100	20	770
128-024-52	0-600mm/0-24"	±0.09mm	18	24	150	20	770
128-032-51	0-800mm/0-32"	±0.09mm	24	31	150	20	1030
128-060-51	0-1500mm/0-60"	±0.16mm	24	42	150	20	1820
128-080-51	0-2000mm/0-80"	±0.20mm	24	42	150	20	2230



## SERIES 129

## VERNIER CALIPER

- ◆ Made of stainless steel
- ◆ With fine adjustment
- ◆ Satin chrome plated reading surface



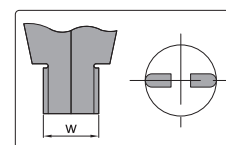
unit: mm

Graduation: 0.02mm/0.001"

Code	Range	Accuracy	a	b	c	h	w	L
129-020-11	0-500mm/0-20"	±0.05mm	18	45	24	100	20	670
129-020-12	0-500mm/0-20"	±0.06mm	18	45	24	150	20	670
129-024-11	0-600mm/0-20"	±0.06mm	18	45	24	100	20	770
129-040-11	0-1000mm/0-40"	±0.08mm	24	60	31	150	20	1230

Graduation: 0.05mm/1/128"

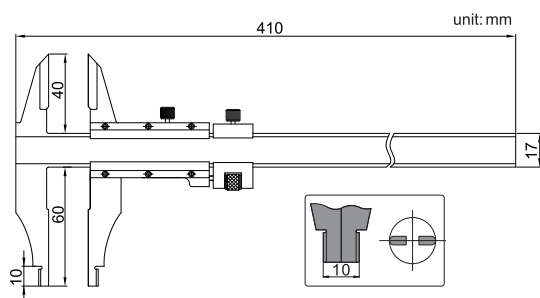
Code	Range	Accuracy	a	b	c	h	w	L
129-020-51	0-500mm/0-20"	±0.07mm	18	45	24	100	20	670
129-020-52	0-500mm/0-20"	±0.08mm	18	45	24	150	20	670
129-024-51	0-600mm/0-20"	±0.08mm	18	45	24	100	20	770
129-040-51	0-1000mm/0-40"	±0.12mm	24	60	31	150	20	1230





## VERNIER CALIPER

## SERIES 122



- ◆ Graduation: 0.02mm
- ◆ With fine adjustment
- ◆ Made of stainless steel
- ◆ Stain chrome reading surface



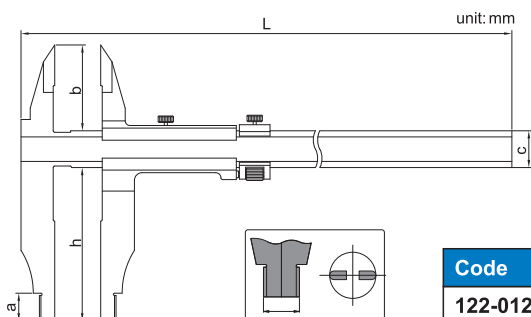
Code	Range	Accuracy
122-012-11	300mm	±0.03mm

## VERNIER CALIPER

## SERIES 122



122-020-21



- ◆ Graduation: 0.02mm/0.001"
- ◆ With fine adjustment
- ◆ Made of stainless steel
- ◆ Stain chrome reading surface

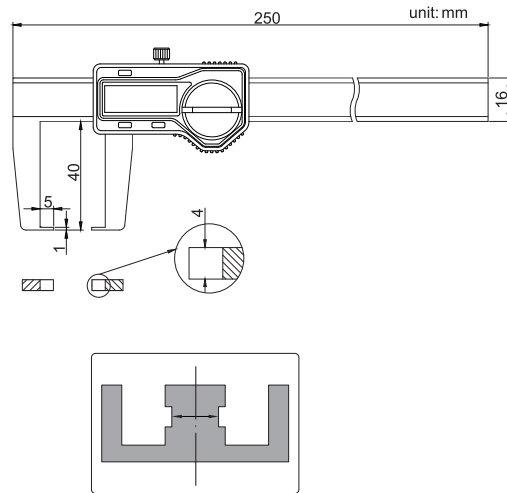
Code	Range	Accuracy	h	a	b	c	w	L
122-012-21	300mm/12"	±0.05mm	90	12	40	20	10	410
122-020-21	500mm/20"	±0.05mm	100	18	56	24	20	670
122-020-22	500mm/20"	±0.06mm	150	18	56	24	20	670
122-032-21	800mm/32"	±0.07mm	150	24	67	31	20	1020
122-040-21	1000mm/40"	±0.08mm	150	24	67	31	20	1220

## 133

## DIGITAL OUTSIDE NECK CALIPER



- ◆ Measure wall thickness and recesses
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel

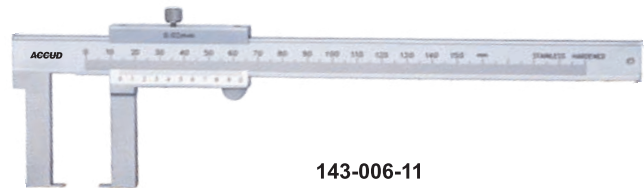


Code	Range	Accuracy
133-006-11	0-150mm/0-6"	±0.04mm

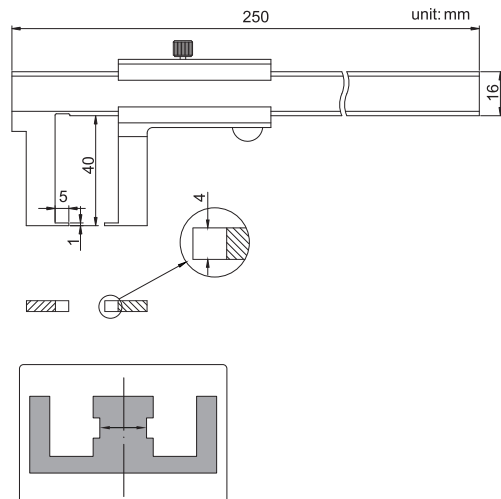
## SERIES 143

## OUTSIDE NECK VERNIER CALIPER

- ◆ Measure wall thickness and recesses
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface



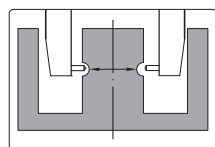
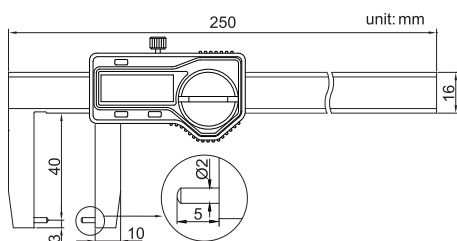
143-006-11



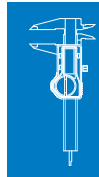
Code	Range	Graduation	Accuracy
143-006-11	0-150mm	0.02mm	±0.04mm
143-006-13	0-150mm	0.05mm	±0.05mm

## DIGITAL OUTSIDE POINT CALIPER

134



- ◆ Measure wall thickness of inside bores and recesses
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



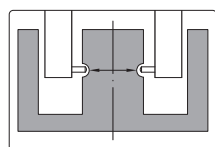
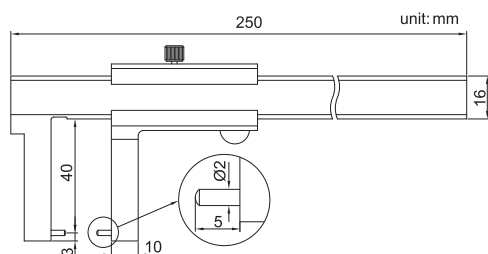
Code	Range	Accuracy
134-006-11	0-150mm/0-6"	±0.04mm

## OUTSIDE POINT VERNIER CALIPER

SERIES 144



144-006-11



- ◆ Measure wall thickness of inside bores and recesses
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface

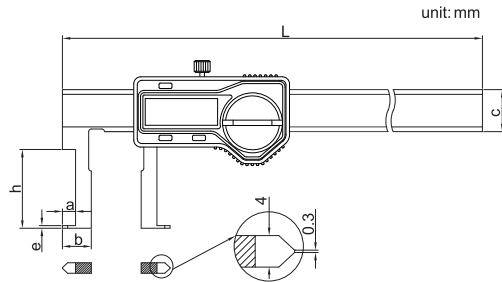
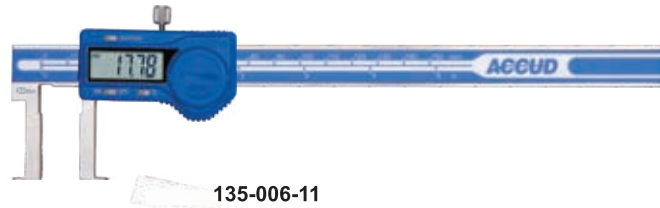
Code	Range	Graduation	Accuracy
144-006-11	0-150mm	0.02mm	±0.04mm
144-006-13	0-150mm	0.05mm	±0.05mm

## SERIES 135

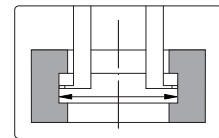
## DIGITAL INSIDE NECK CALIPER



- ◆ Measure the grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



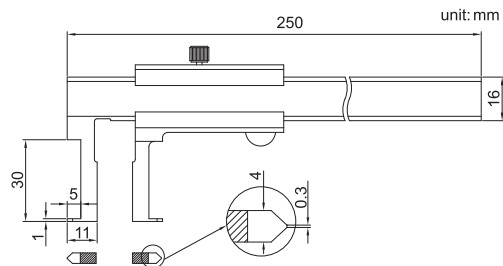
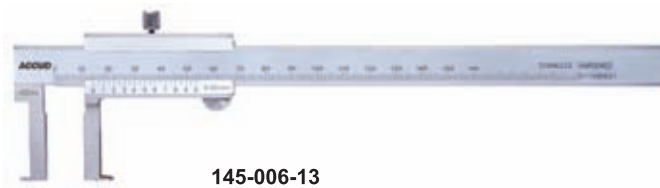
Code	Range	Accuracy	a	b	c	e	h	L
135-006-11	22-150mm	±0.04mm	5	11	16	1	30	250
135-008-11	25-200mm	±0.04mm	5	12.5	16	1	40	310
135-012-11	30-300mm	±0.05mm	5	15	17	1.5	50	410



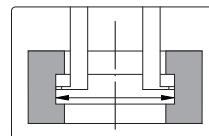
## SERIES 145

## INSIDE NECK VERNIER CALIPER

- ◆ Measure the grooves
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface



Code	Range	Graduation	Accuracy
145-006-11	22-150mm	0.02mm	±0.04mm
145-006-13	22-150mm	0.05mm	±0.05mm

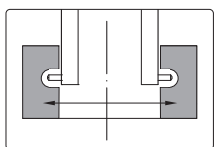
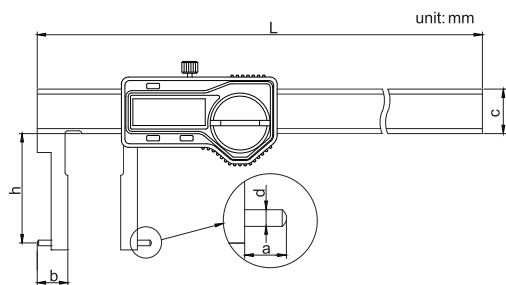


## DIGITAL INSIDE POINT CALIPER

## SERIES 136



136-006-11



- ◆ Measure the grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



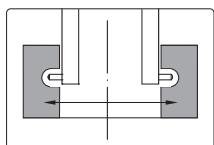
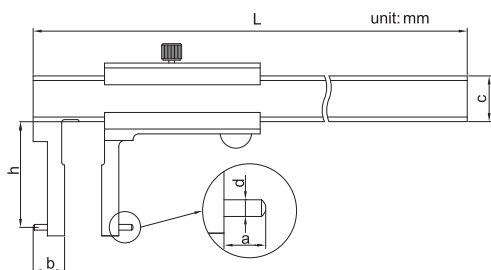
Code	Range	Accuracy	a	b	c	d	h	L
136-006-11	24-150mm	±0.04mm	5	12	16	Ø2	30	250
136-008-11	25-200mm	±0.04mm	5	12.5	16	Ø2	40	310
136-012-11	50-300mm	±0.06mm	8	25	17	Ø3	80	410

## INSIDE POINT VERNIER CALIPER

## SERIES 146



146-006-11



- ◆ Measure the grooves
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface

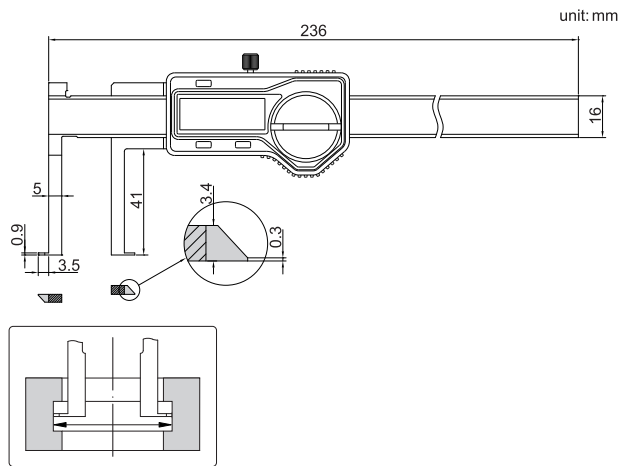
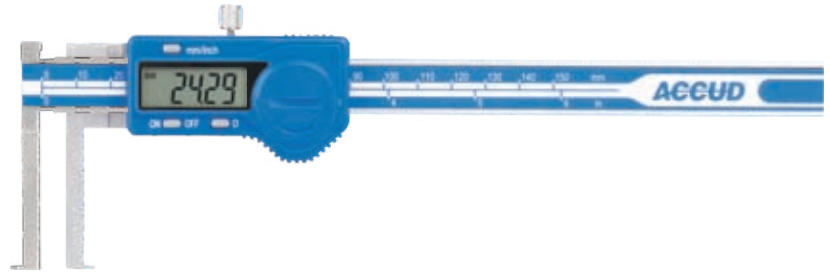
Code	Range	Graduation	Accuracy	a	b	c	d	h	L
146-006-11	24-150mm	0.02mm	±0.04mm	5	12	16	Ø2	30	250
146-012-11	50-300mm	0.02mm	±0.06mm	8	25	17	Ø3	80	410
146-006-13	24-150mm	0.05mm	±0.05mm	5	12	16	Ø2	30	250
146-012-13	50-300mm	0.05mm	±0.08mm	8	25	17	Ø3	80	410

## 132

## DIGITAL INSIDE GROOVE CALIPER



- ◆ Measure diameter of grooves inside small bores
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

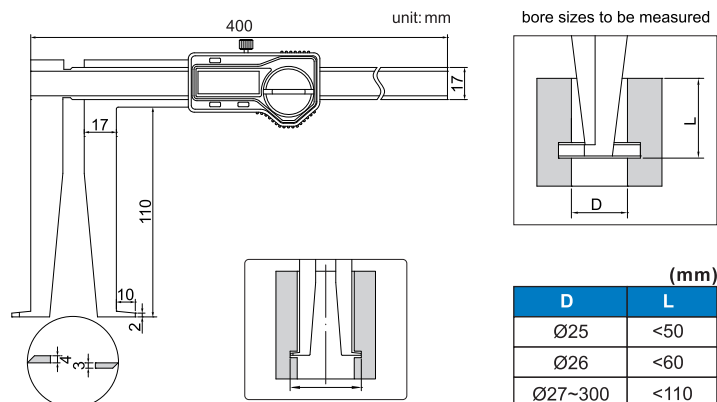


Code	Range	Accuracy
132-006-21	11-150mm/0.43-6"	±0.04mm

## 132

## DIGITAL INSIDE GROOVE CALIPER

- ◆ Measure diameter of grooves inside bores
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



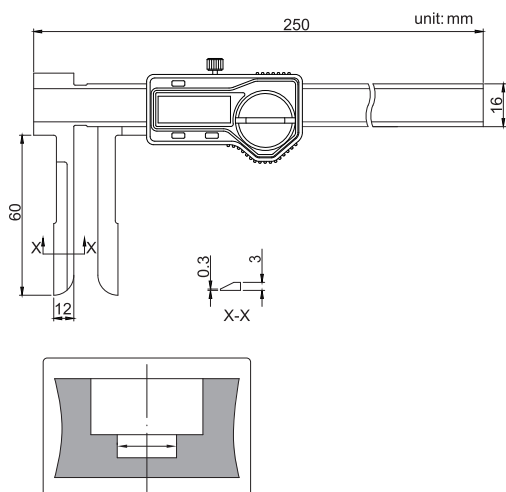
Code	Range	Accuracy
132-012-11	25-300mm	±0.05mm

## DIGITAL INSIDE KNIFE-EDGE CALIPER

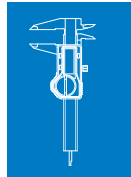
### SERIES 139



139-006-11



- ◆ Measure the diameter of deep holes or grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



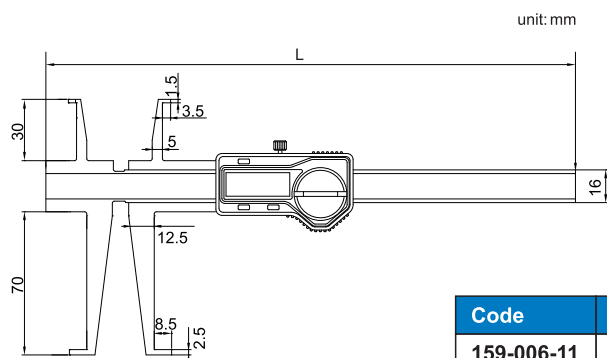
Code	Range	Accuracy
139-006-11	15-150mm	±0.05mm
139-008-11	20-200mm	±0.05mm

## DIGITAL INSIDE GROOVE CALIPER

### SERIES 159



159-006-11

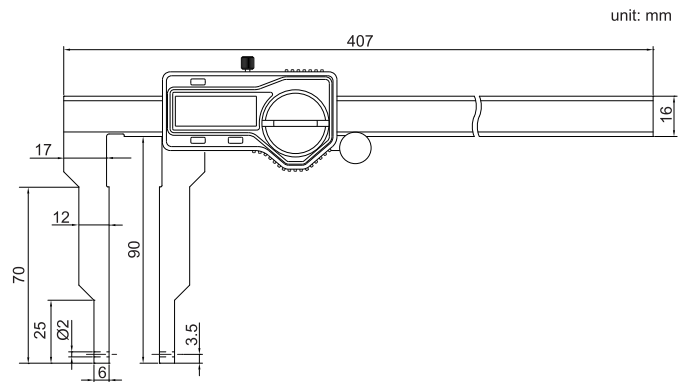


- ◆ Measure diameter of grooves inside bores
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

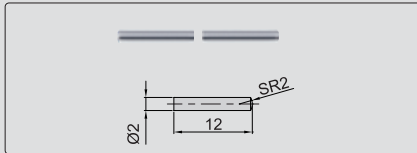
Code	Accuracy	Range of upper Jaw	Range of lower Jaw	L
159-006-11	±0.04mm	9-150mm	15-150mm	260
159-008-11	±0.06mm	9-200mm	15-200mm	310



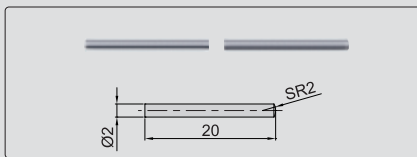
- ◆ Supplied with 4 pairs of points and zero setting block for external measurement
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



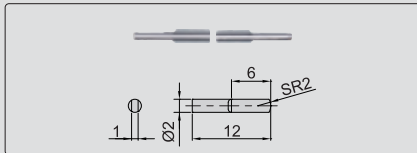
short spherical/flat points



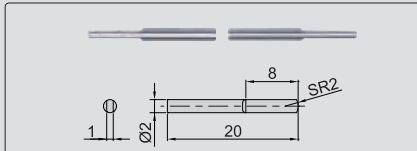
long spherical/flat points



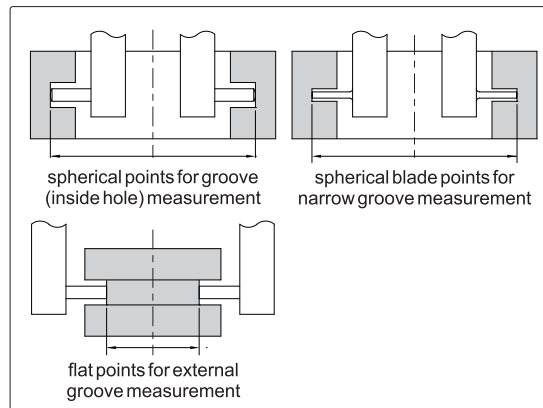
short spherical blade points



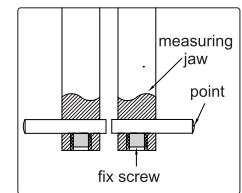
long spherical blade points



measure internal and external grooves



install points



zero setting block for external measurement (included)

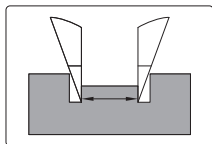
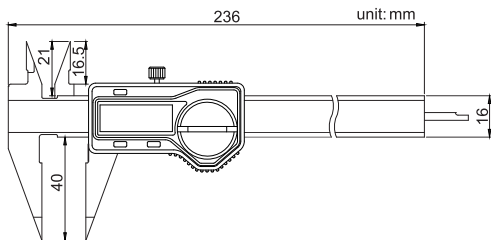


Code	Point	Range	Accuracy	Application
149-012-11	short spherical/flat points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
	long spherical/flat points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
	short spherical blade points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	for narrow grooves (small hole)
	long spherical blade points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	for narrow grooves (large hole)

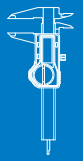


## DIGITAL POINT CALIPER

### 138



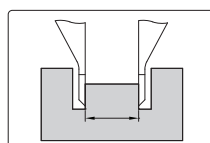
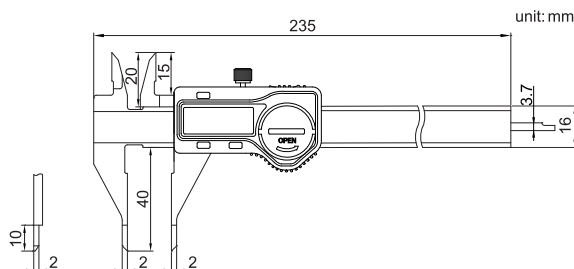
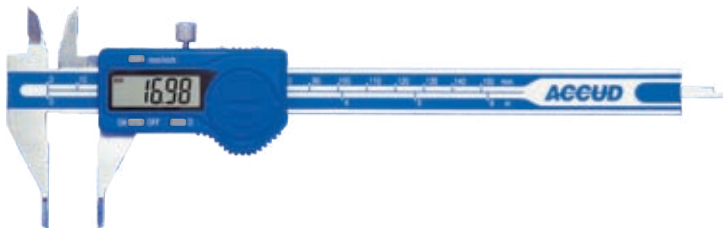
- ◆ Measure small holes or grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



Code	Range	Accuracy
138-006-11	0-150mm/0-6"	±0.03mm

## DIGITAL SMALL POINT CALIPER

### 168

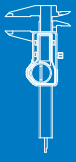


- ◆ Small point jaws fits into small grooves and recesses
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

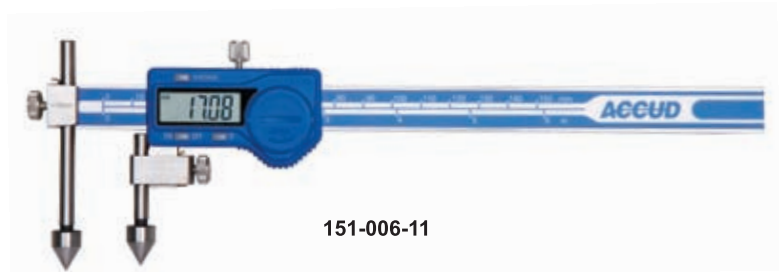
Code	Range	Accuracy
168-006-11	0-150mm/0-6"	±0.03mm

## SERIES 151

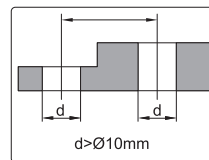
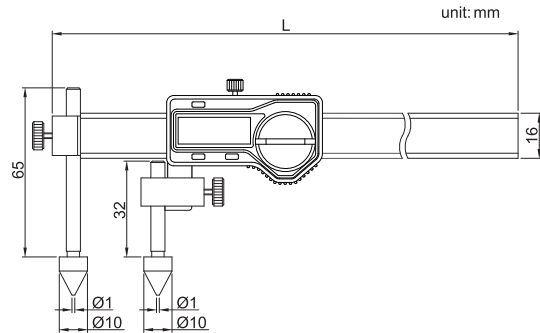
## DIGITAL OFFSET CENTERLINE CALIPER



- ◆ Measure the hole center-to-center distance in same plane, or between offset planes
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



151-006-11



Code	Range	Accuracy	L
151-006-11	10-150mm	±0.05mm	236
151-008-11	10-200mm	±0.07mm	246
151-012-11	10-300mm	±0.09mm	396

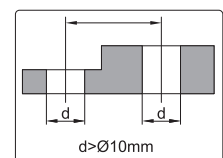
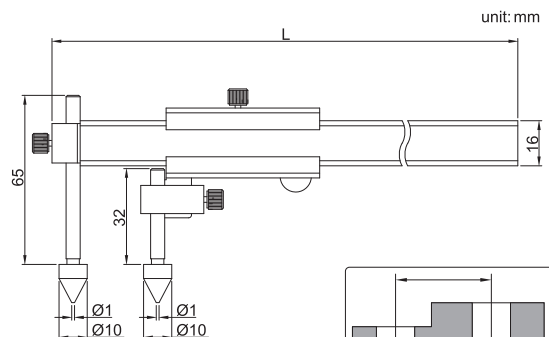
## SERIES 161

## OFFSET CENTERLINE VERNIER CALIPER

- ◆ Measure the hole center-to-center distance in same plane, or between offset planes
- ◆ Made of stainless steel
- ◆ Stain chrome plated reading surface



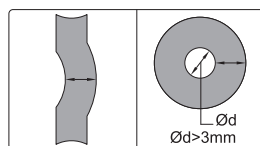
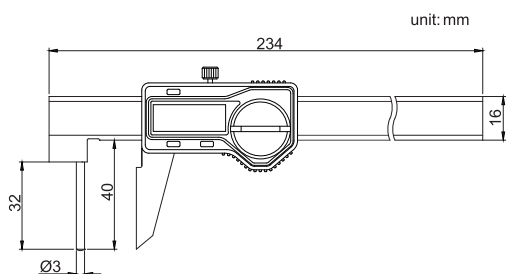
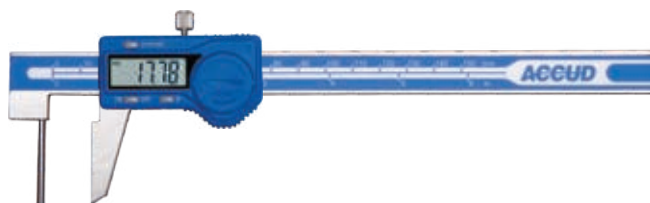
161-006-13



Code	Range	Graduation	Accuracy	L
161-006-11	10-150mm	0.02mm	±0.05mm	236
161-008-11	10-200mm	0.02mm	±0.07mm	306
161-012-11	10-300mm	0.02mm	±0.09mm	396
161-006-13	10-150mm	0.05mm	±0.05mm	236
161-008-13	10-200mm	0.05mm	±0.07mm	306
161-012-13	10-300mm	0.05mm	±0.09mm	396

## DIGITAL TUBE THICKNESS CALIPER

### 137



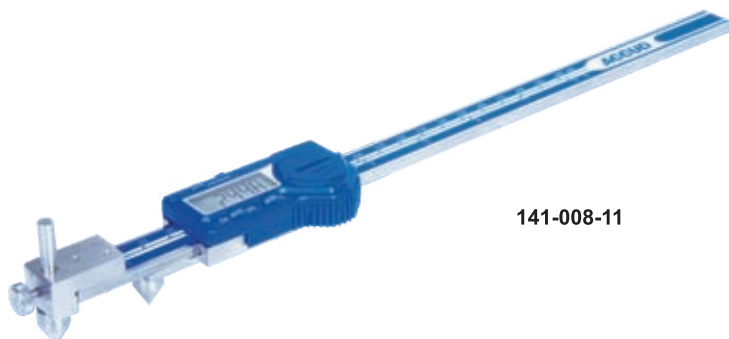
- ◆ Measure the wall thickness
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



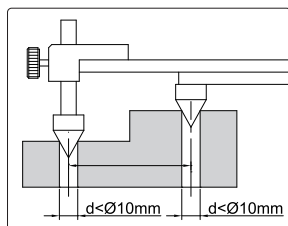
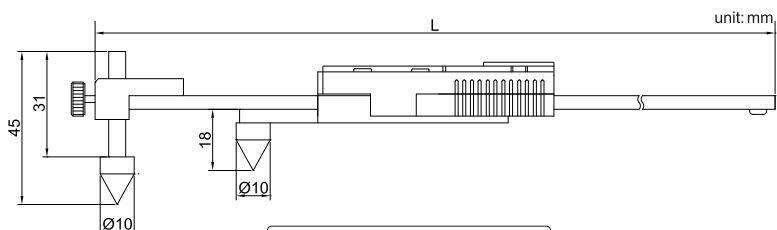
Code	Range	Accuracy
137-006-11	0-150mm/0-6"	±0.05mm

## DIGITAL BACK-JAW CENTERLINE CALIPER

### SERIES 141



141-008-11

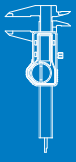


- ◆ Measure hole center distance in the same or offset planes
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Made of stainless steel

Code	Range	Accuracy	L
141-008-11	10-200mm/0.4-8"	±0.1mm	310
141-012-11	10-300mm/0.4-12"	±0.1mm	410

## SERIES 147

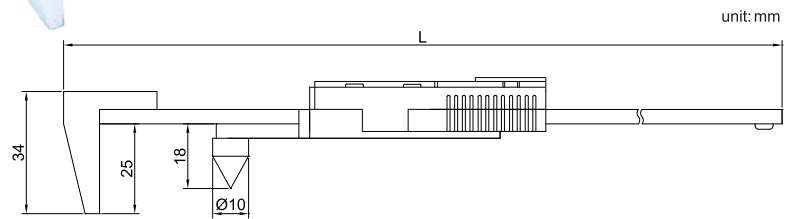
## BACK-JAW DIGITAL EDGE TO CENTER CALIPER



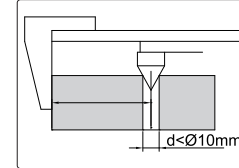
- ◆ Measure edge to hole center distance
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Made of stainless steel



147-008-11



measure edge to hole center distance

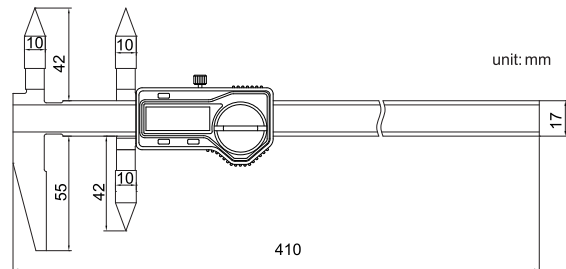


Code	Range	Accuracy	L
147-008-11	5-200mm/0.2-8"	±0.1mm	310mm
147-012-11	5-300mm/0.2-12"	±0.1mm	410mm

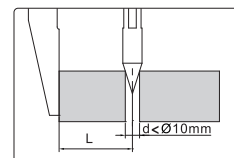
## SERIES 148

## DIGITAL CENTERLINE/EDGE TO CENTER CALIPER

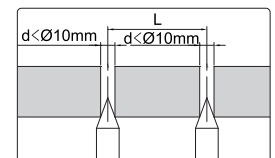
- ◆ Measure hole center distance or edge to hole center distance
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Automatic power on/off
- ◆ Made of stainless steel



measure edge to hole center distance



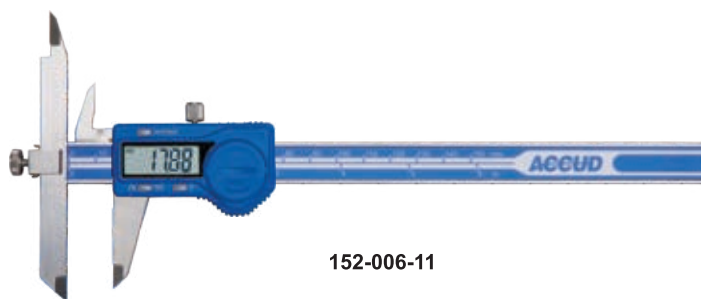
measure hole center distance



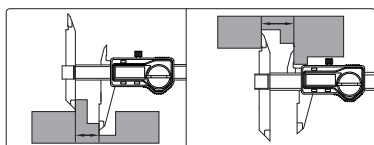
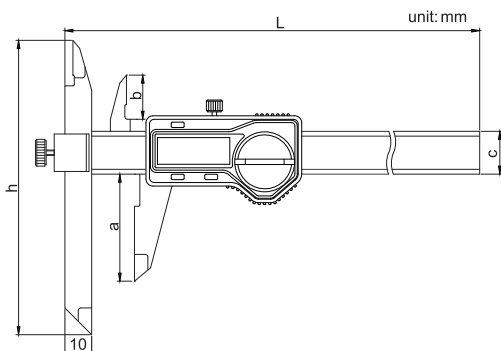
Code	Range of upper jaw (center to center)	Range of lower jaw (edge to center)	Accuracy
148-012-11	10-300mm/0.4-12"	5-300mm/0.2-12"	±0.08mm

## DIGITAL OFFSET CALIPER

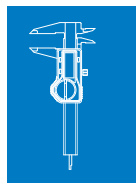
## SERIES 152



152-006-11



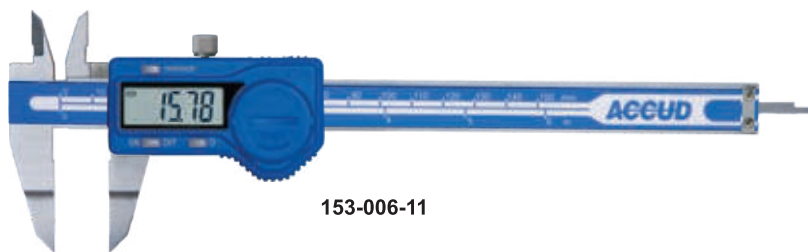
- ◆ Adjust the beam-mounted jaw to facilitate measurement of stepped sections and hard-to reach workpiece
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



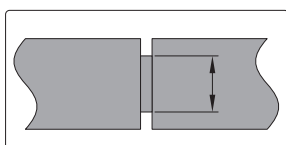
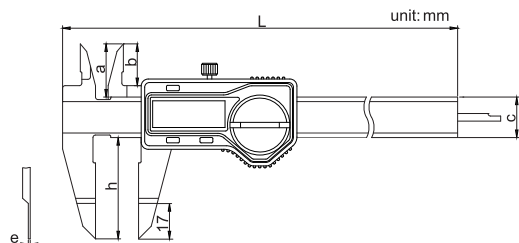
Code	Range	Accuracy	a	b	c	h	L
152-006-11	0-150mm/0-6"	±0.04mm	40	16.5	16	110	239
152-008-11	0-200mm/0-8"	±0.04mm	50	19.5	16	120	289
152-012-11	0-300mm/0-12"	±0.05mm	60	20.5	17	130	389

## DIGITAL BLADE CALIPER

## SERIES 153



153-006-11



- ◆ Measure small grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel

Code	Range	Accuracy	a	b	c	h	e	L
153-006-11	0-150mm/0-6"	±0.03mm	21	16	16	40	0.75	235
153-008-11	0-200mm/0-8"	±0.03mm	24	19	16	50	0.75	297
153-012-11	0-300mm/0-12"	±0.04mm	26	20.5	16	60	1.00	390

## SERIES 154

## DIGITAL HOOK CALIPER

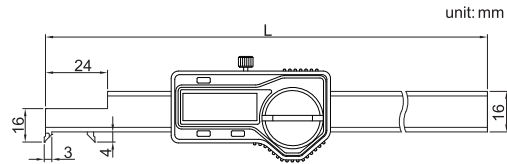


- ◆ Measure width of groove inside bores
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



154-005-11

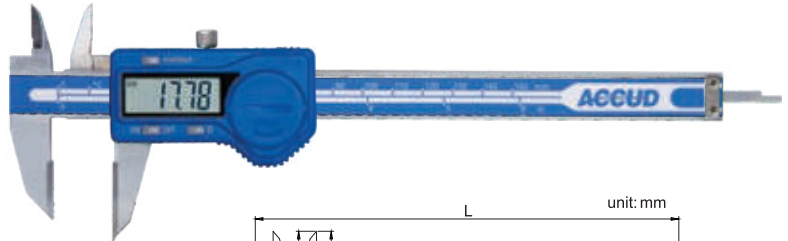
Code	Range	Accuracy	L
154-005-11	3-125mm	±0.04mm	250mm
154-008-11	3-200mm	±0.04mm	310mm



## SERIES 155

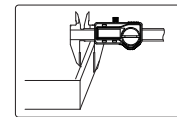
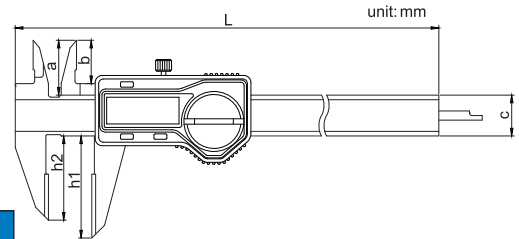
## DIGITAL SCRIBING CALIPER

- ◆ Carbide-tipped jaws facilitate fine scribing on workpiece
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



155-006-11

Code	Range	Accuracy	a	b	c	h1	h2	L
155-006-11	0-150mm/0-6"	±0.03mm	21	16.5	16	40	33	236
155-008-11	0-200mm/0-8"	±0.03mm	24	19.5	16	50	43	286
155-012-11	0-300mm/0-12"	±0.04mm	25	20.5	17	60	53	386



## SERIES 169

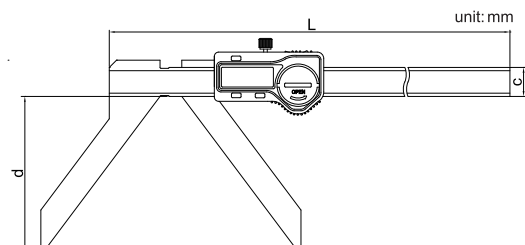
## DIGITAL ARC RADIUS CALIPER

- ◆ Measure the radius of arc less than half round
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



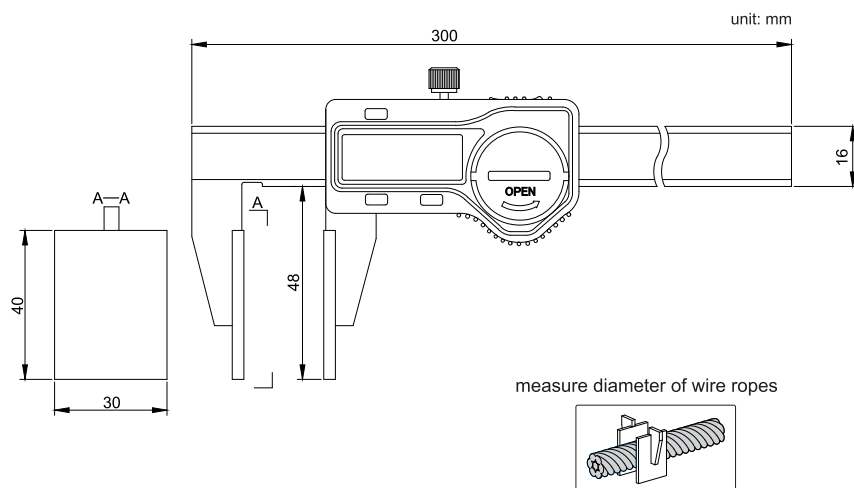
169-006-11

Code	Range (R)	Accuracy	c	d	L
169-006-11	5-150mm/0.2-6"	±0.05mm	16	65	263
169-008-11	5-200mm/0.2-8"	±0.07mm	16	85	313



## DIGITAL CALIPER WITH LARGE MEASURING FACES

167

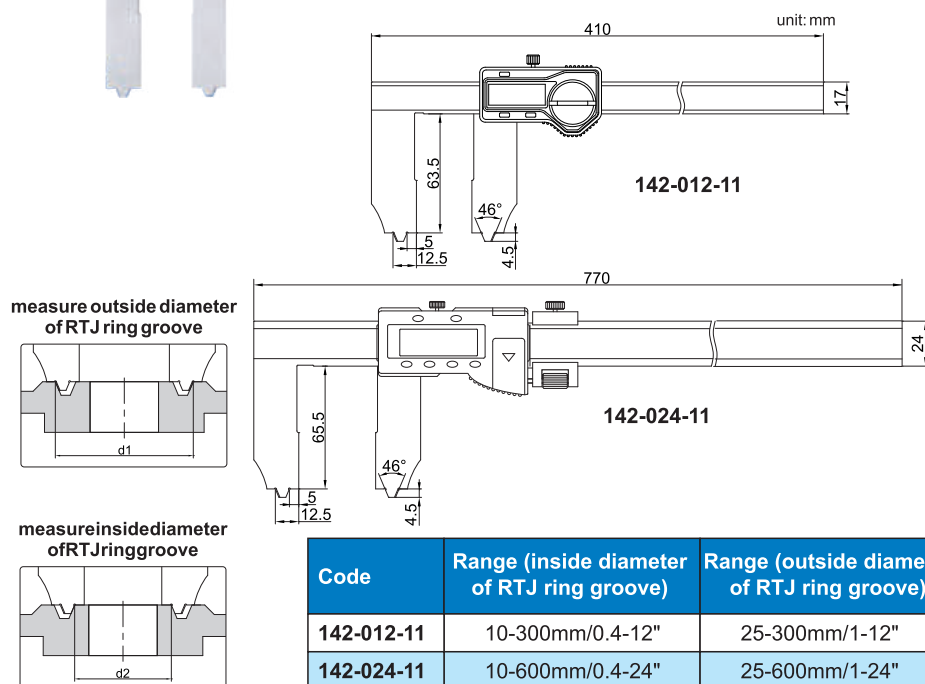
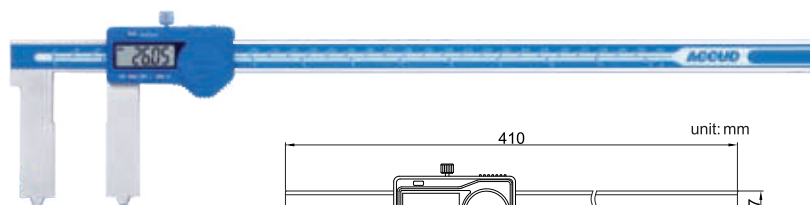


- ◆ Measure diameter of wire ropes, and thickness of soft materials like rubber, etc.
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

Code	Range	Accuracy
167-008-11	0-200mm/0-8"	±0.07mm

## DIGITAL RTJ RING GROOVE CALIPER

SERIES 142



- ◆ Measure ring grooves of flange
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Angle of RTJ ring groove	Accuracy
142-012-11	10-300mm/0.4-12"	25-300mm/1-12"	23°	±0.06mm
142-024-11	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm

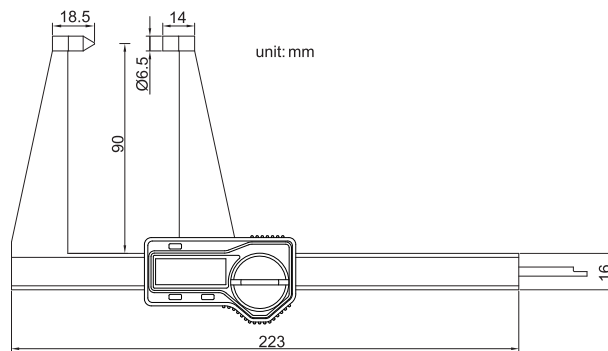


## 157

## DIGITAL DISK BRAKE CALIPER



- ◆ Measure thickness of disk brakes
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

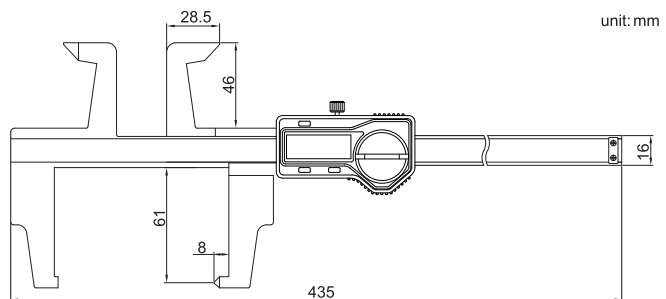


Code	Range	Accuracy
157-005-11	0-125mm/0-5"	±0.05mm

## 158

## DIGITAL DRUM BRAKE CALIPER

- ◆ Measure internal and external diameter of drum brakes
- ◆ Resolution 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel

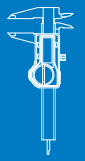


Code	Range	Accuracy
158-012-11	0-300mm/0-12"	±0.07mm

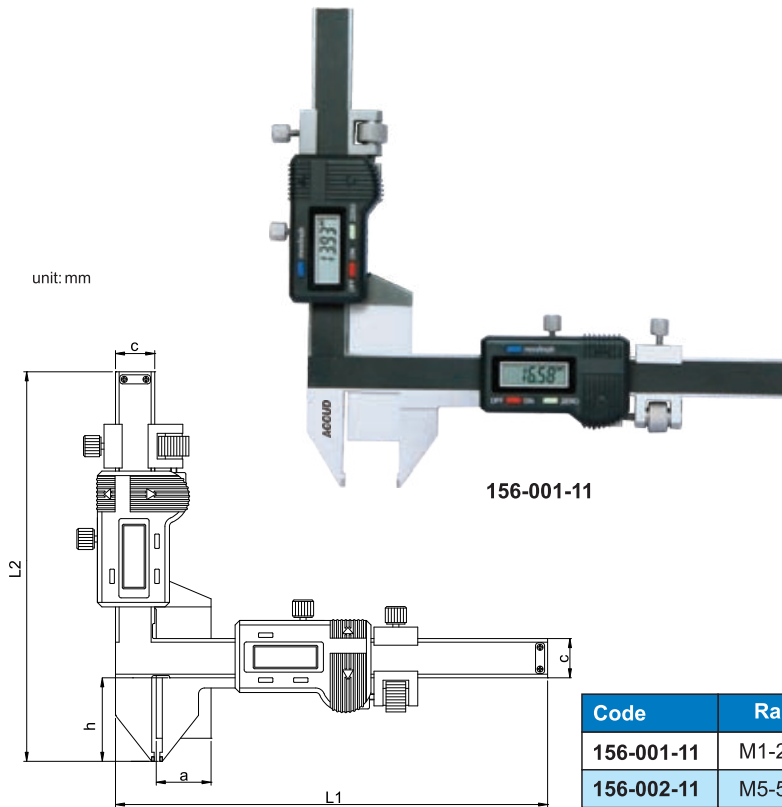


## DIGITAL GEAR TOOTH CALIPER

### SERIES 156



- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Made of stainless steel

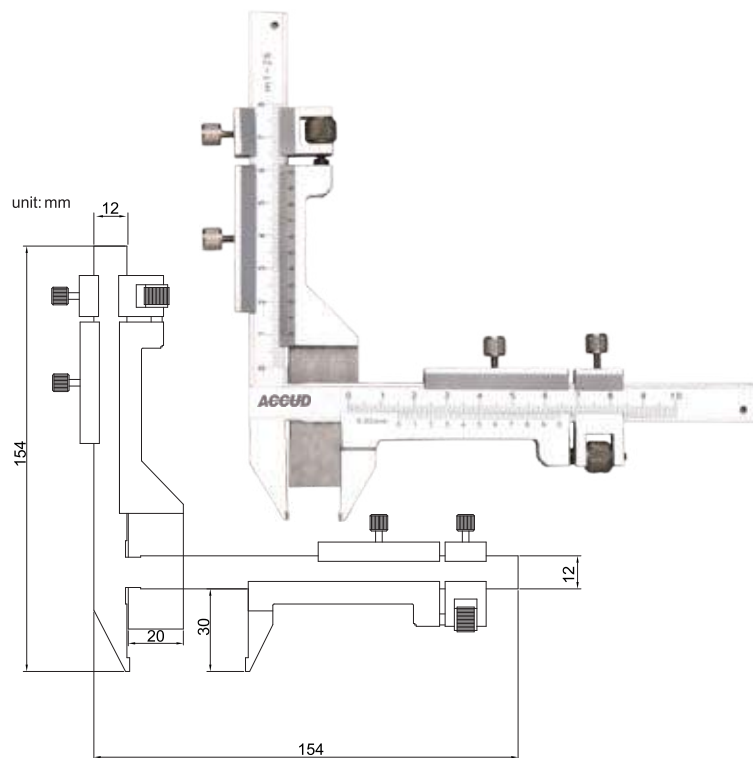


Code	Range	Accuracy	L1	L2	a	c	h
156-001-11	M1-25mm	±0.04mm	156	156	12.5	13	32
156-002-11	M5-50mm	±0.04mm	220	190	50.5	16	55

## VERNIER GEAR TOOTH CALIPER

### 166

- ◆ Graduation: 0.02mm



Code	Range	Accuracy
166-001-11	M1-26mm	±0.04mm

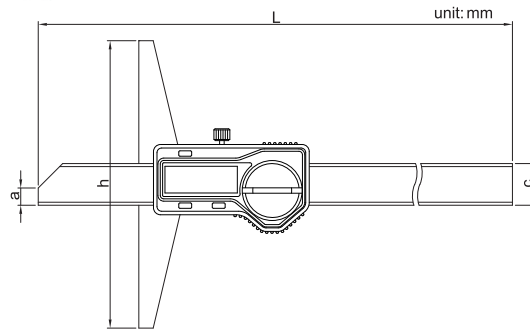
## SERIES 171

## DIGITAL DEPTH CALIPER

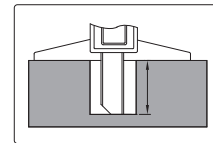
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



171-006-11



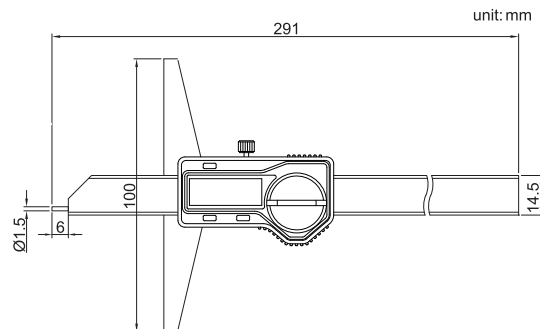
Code	Range	Accuracy	a	c	h	L
171-006-11	0-150mm/0-6"	±0.03mm	6	14.5	100	230
171-008-11	0-200mm/0-8"	±0.03mm	6	14.5	100	280
171-012-11	0-300mm/0-12"	±0.04mm	6	14.5	150	380
171-020-11	0-500mm/0-20"	±0.05mm	7	15	150	585



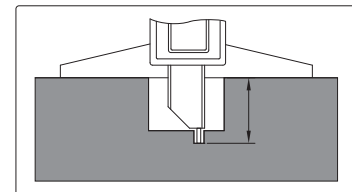
## 172

## DIGITAL PIN DEPTH CALIPER

- ◆ Measure the depth of small holes or grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel



Code	Range	Accuracy
172-008-11	0-200mm/0-8"	±0.03mm

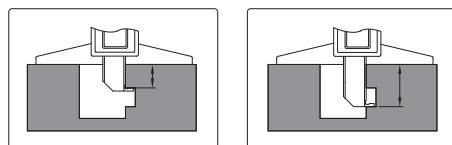
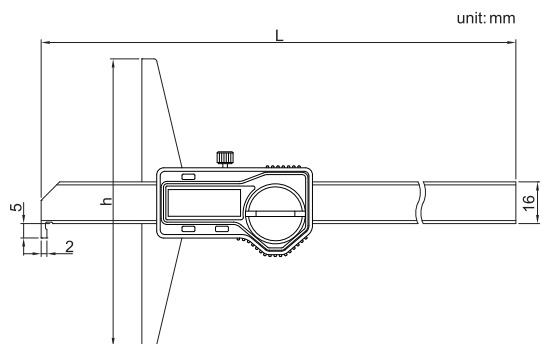


## DIGITAL HOOK DEPTH CALIPER

## SERIES 173



173-006-11



- ◆ Measure the depth of grooves
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel

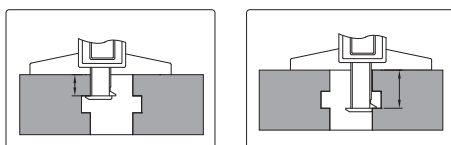
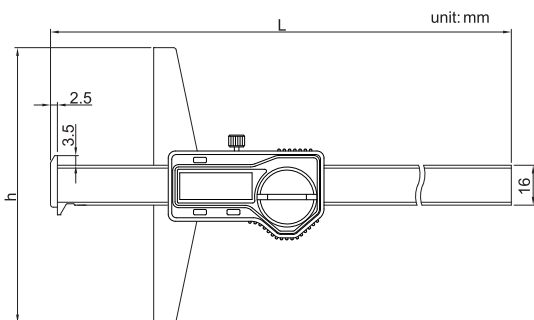
Code	Range	Accuracy	h	L
173-006-11	0-150mm/0-6"	±0.04mm	100	230
173-008-11	0-200mm/0-8"	±0.04mm	100	280
173-012-11	0-300mm/0-12"	±0.05mm	150	380

## DIGITAL DOUBLE HOOK DEPTH CALIPER

## SERIES 174



174-006-11



- ◆ Measure the depth of grooves
- Resolution: 0.01mm/0.0005"
- ◆ Automatic power on/off
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Data output
- ◆ Made of stainless steel

Code	Range	Accuracy	h	L
174-006-11	0-150mm/0-6"	±0.03mm	100	233
174-008-11	0-200mm/0-8"	±0.03mm	100	283
174-012-11	0-300mm/0-12"	±0.04mm	150	383



## SERIES 191

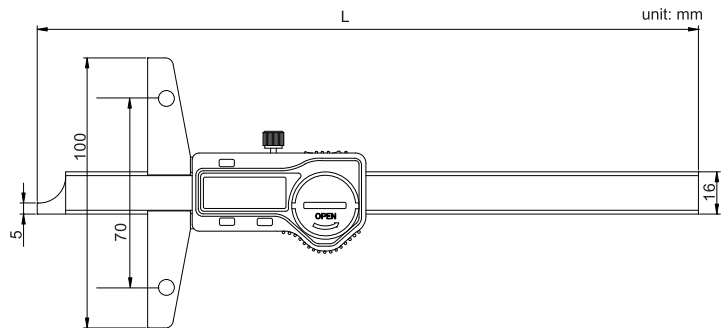
- ◆ With hole, for mounting the extension base
- ◆ Resolution: 0.01mm/0.0005"
- ◆ Buttons: on/off, zero, mm/inch
- ◆ Automatic power on/off
- ◆ Data output
- ◆ Made of stainless steel



## DIGITAL DEPTH CALIPER WITH HOLES



191-006-11

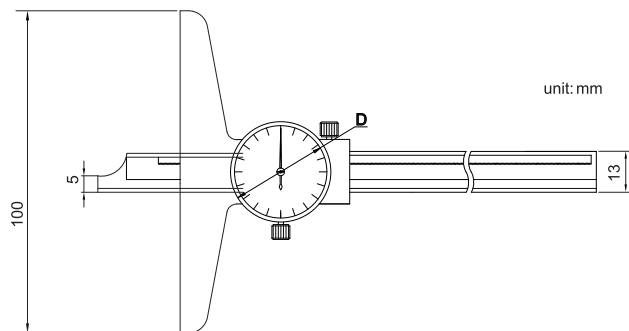


Code	Range	Accuracy	L
191-006-11	0-150mm/0-6"	±0.03mm	237
191-008-11	0-200mm/0-8"	±0.03mm	287
191-012-11	0-300mm/0-12"	±0.04mm	403

## SERIES 179

- ◆ Shockproof dial indicator
- ◆ Graduation: 0.02mm
- ◆ Made of stainless steel

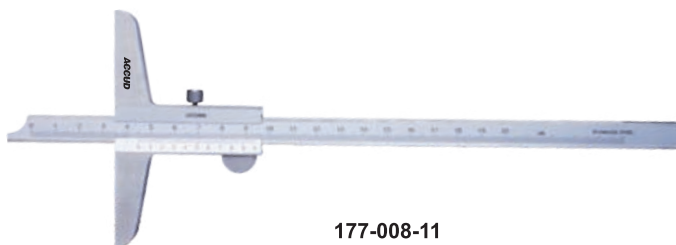
## DIAL DEPTH CALIPER



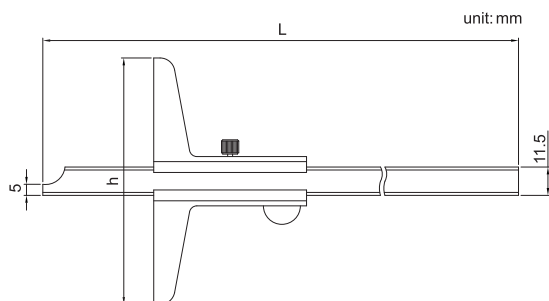
Code	Range	Accuracy	D
179-006-21	0-150mm	±0.03mm	Ø39
179-008-21	0-200mm	±0.03mm	Ø39
179-012-21	0-300mm	±0.04mm	Ø44

## VERNIER DEPTH CALIPER

## SERIES 177



177-008-11



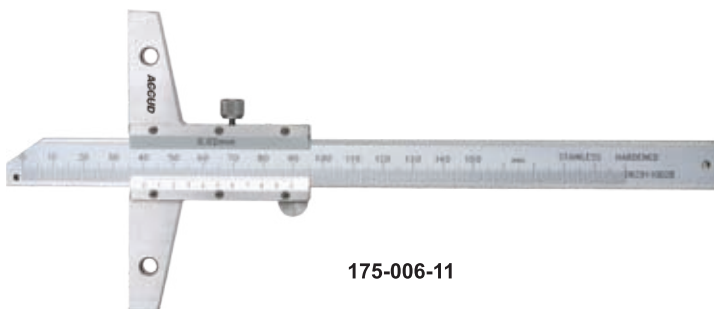
- ◆ Graduation: 0.02mm
- ◆ Made of stainless steel
- ◆ Satin chrome plated reading surface



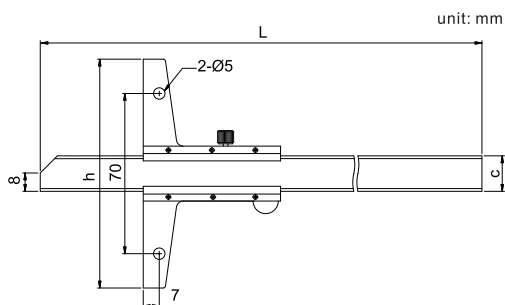
Code	Range	Accuracy	h	L
177-006-11	0-150mm	±0.03mm	100	245
177-008-11	0-200mm	±0.03mm	100	282
177-012-11	0-300mm	±0.04mm	100	382
177-020-11	0-500mm	±0.05mm	150	585

## VERNIER DEPTH CALIPER

## SERIES 175



175-006-11



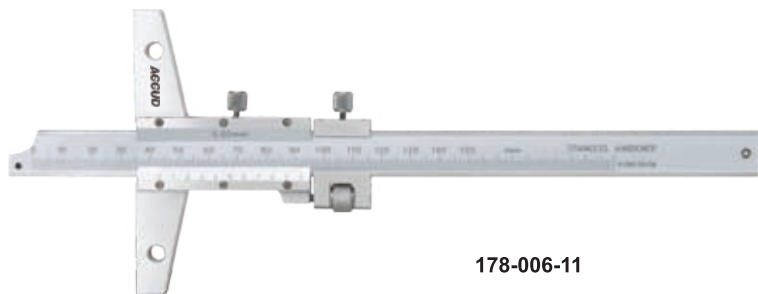
- ◆ Made of stainless steel
- ◆ Satin chrome plating finish on reading surface
- ◆ Optional accessory: extension base

Code	Range	Graduation	Accuracy	c	h	L
175-006-11	0-150mm	0.02mm	±0.03mm	16	100	240
175-008-11	0-200mm	0.02mm	±0.03mm	16	100	290
175-012-11	0-300mm	0.02mm	±0.04mm	16	100	390
175-024-11	0-600mm	0.02mm	±0.05mm	16	150	704
175-040-11	0-1000mm	0.02mm	±0.07mm	18	200	1124
175-006-13	0-150mm	0.05mm	±0.05mm	16	100	240
175-008-13	0-200mm	0.05mm	±0.05mm	16	100	290
175-012-13	0-300mm	0.05mm	±0.08mm	16	100	390
175-024-13	0-600mm	0.05mm	±0.10mm	16	150	704
175-040-13	0-1000mm	0.05mm	±0.15mm	18	200	1124

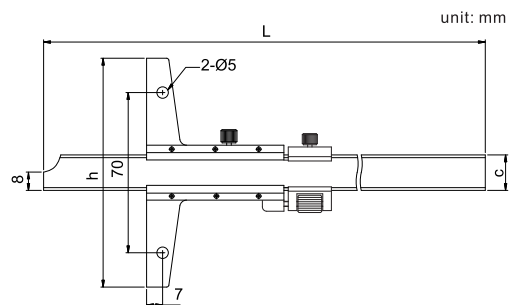
## SERIES 178

## VERNIER DEPTH CALIPER

- ◆ With fine adjustment
- ◆ Made of stainless steel
- ◆ Satin chrome plating finish on reading surface
- ◆ Optional accessory: extension base



178-006-11

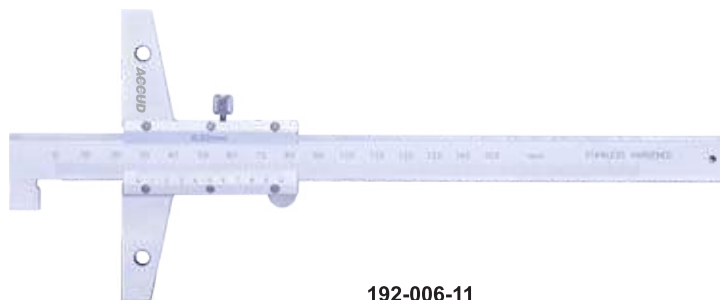


Code	Range	Graduation	Accuracy	c	h	L
178-006-11	0-150mm	0.02mm	±0.03mm	16	100	256
178-008-11	0-200mm	0.02mm	±0.03mm	16	100	306
178-012-11	0-300mm	0.02mm	±0.04mm	16	100	406
178-006-13	0-150mm	0.05mm	±0.05mm	16	100	256
178-008-13	0-200mm	0.05mm	±0.05mm	16	100	306
178-012-13	0-300mm	0.05mm	±0.08mm	16	100	406

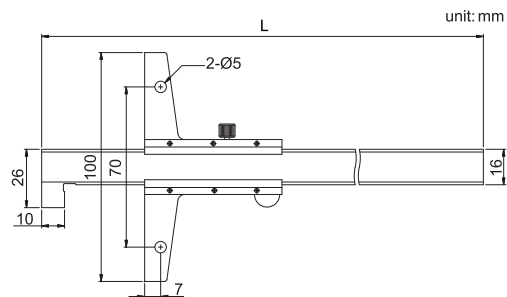
## SERIES 192

## VERNIER HOOK DEPTH CALIPER

- ◆ Graduation: 0.02mm
- ◆ Made of stainless steel
- ◆ Satin chrome plating finish on reading surface



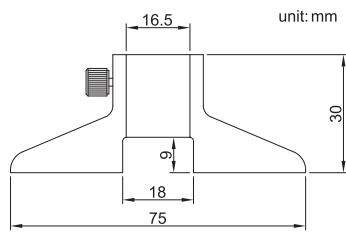
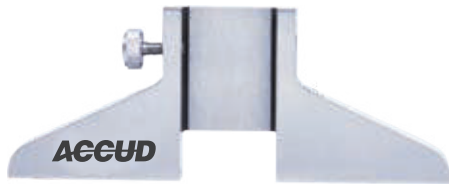
192-006-11



Code	Range	Accuracy	L
192-006-11	0-150mm	±0.03mm	245mm
192-008-11	0-200mm	±0.03mm	295mm
192-012-11	0-300mm	±0.04mm	395mm

## ACCESSORY FOR CALIPER

**179**



- ◆ For caliper to increase the stability of depth measurement
- ◆ For all calipers which range is 150mm and 200mm and beam width is 16mm
- ◆ Made of stainless steel



**Code**

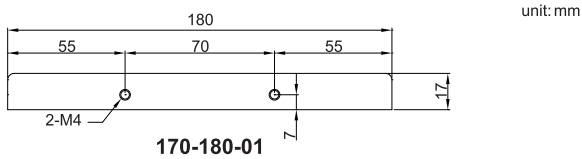
**179-000-00**

## EXTENSION BASE FOR DEPTH CALIPER

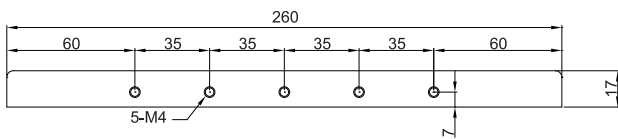
**SERIES 170**



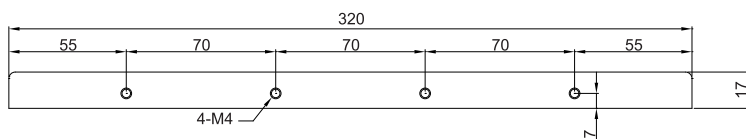
**170-260-01**



**170-180-01**



**170-260-01**



**170-320-01**

- ◆ Add extension base to measure large hole or gap
- ◆ For depth caliper 175, 178, 191 and 192 series

**Code**

**170-180-01**

**170-260-01**

**170-320-01**

**Length**

**180mm**

**260mm**

**320mm**