UNIVERSAL CALIPERS

DATA OUTPUT

VIDEO

1125-600
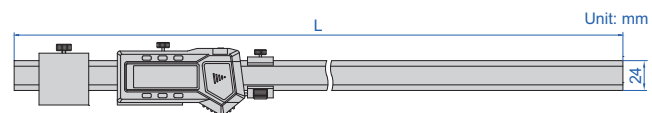
- Non waterproof
- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
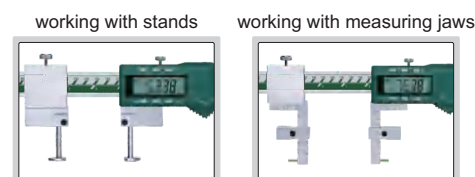- Battery CR2032
- Made of stainless steel

With data interface (optional data output cable: code 7315-22 receiver is needed page 5, 7214-22 page 11, 7302-22 page 20)

Code	Range *	Resolution	Accuracy	L
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	778mm
1125-1000	0-1000mm/0-40"	0.01mm/0.0005"	±0.07mm	1205mm

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

Code	Range *	Resolution	Accuracy	L
1125-600WL	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	778mm
1125-1000WL	0-1000mm/0-40"	0.01mm/0.0005"	±0.07mm	1205mm

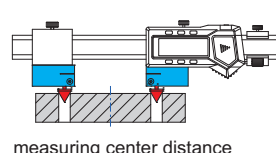***The range changes according to different points**

L

Unit: mm

24

working with stands   working with measuring jaws

Half disk points (included)

Ø5

Unit: mm

50

2

flat measuring face

spherical measuring face

5

R10

h1

measuring external groove diameter with flat measuring face (depth h1≤2.5mm)

h2

measuring internal groove diameter with spherical measuring face (depth h2≤7.5mm)
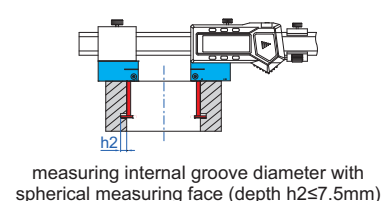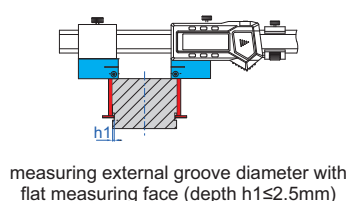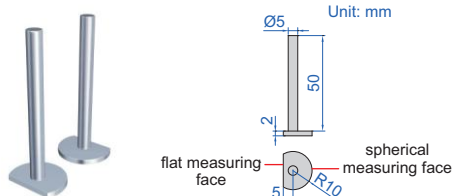
Conical points (optional)
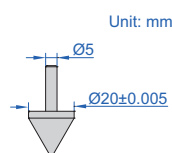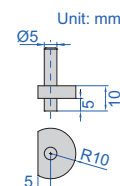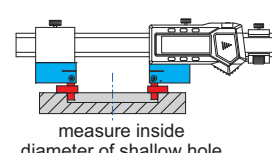
Unit: mm

Ø5

Ø20±0.005

Code
1125-T101

measuring center distance

Round shoulder points (optional)

Unit: mm

Ø5

5

10

Code
1125-T102

5

R10

measure inside diameter of shallow hole

Flat shoulder points (optional)

Unit: mm

Ø5

10 15

5

16

12

6

Code
1125-T103

measure outside diameter of low boss

Spherical points (included)

Unit: mm

20

10

SR2

Ø5

Ø2
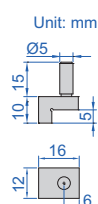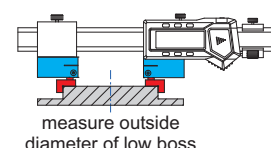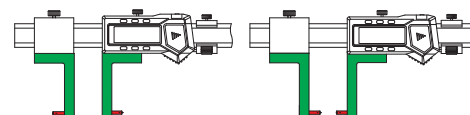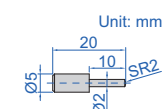
Point sleeve (optional)
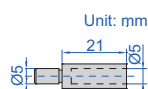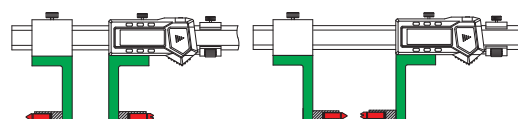
working with multifunctional points, ball points and screw thread points

Code
1125-T104

Unit: mm

21

Ø5

Ø5

Stands (included)

Unit: mm

40

20

Ø5

8
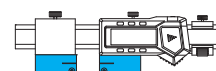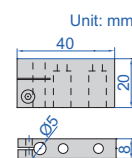
To be continued

Continued from previous page

Depth stop (included)

Unit: mm

18
8
16
10   23
8
35
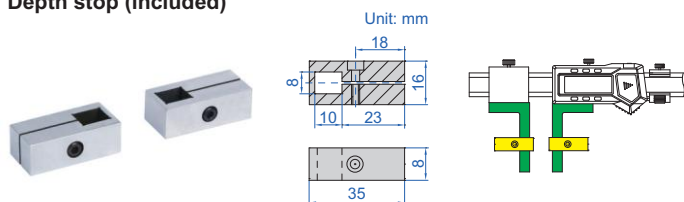
Measuring jaws (included)

Unit: mm

5   40
60
70
Ø5   6.5
10
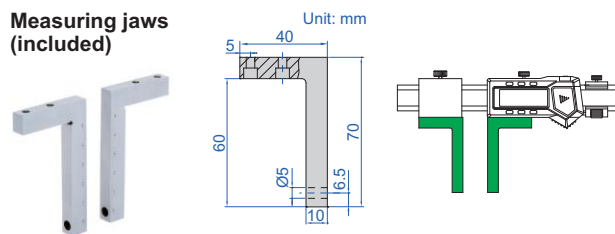
Multifunctional points 7392* (optional, page 52**)**

*It is necessary to use point sleeve (code **1125-T104**) for these points

Ball points 7391* (optional, page 52**)**

Screw thread points 7381*, 7321* (optional, page 52**)**

DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS

DATA OUTPUT

VIDEO

1526-200

short spherical points (included)

Unit: mm

SR2
Ø2   6

long spherical/flat points (included)

Unit: mm

SR2
Ø2   12

spherical blade points (included)

Unit: mm

6
SR2
1   Ø2   12

- Non waterproof
- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points

preset buttons

+ −

2500

Unit: mm

290
24
20
3.7
16
30
Ø2
40
3.5
5.5

With data interface

Code	Data output cable (optional)
1526-200	**7315-25** (receiver is needed) page 5, **7214-25** page 11, **7302-21** page 20

Built-in wireless

Code	Receiver (optional)
1526-200WL	code **7315-2/3/6/7/8/9**
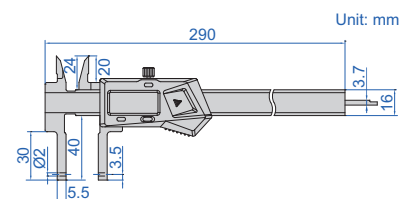
Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5" (internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	for narrow grooves inside hole

zero setting block for external measurement (included)

install points

measuring jaw

point

fix screw
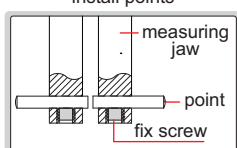
measure internal and external grooves

spherical points for groove (inside hole) measurement

spherical blade points for narrow groove (inside hole) measurement

flat points for external groove measurement
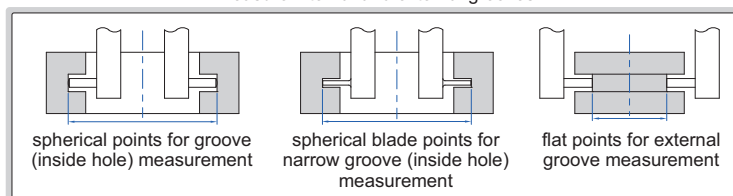
To be continued

DIGITAL INSIDE GROOVE CALIPERS

preset buttons

1191-150

1191-150B

Unit: mm

Unit: mm
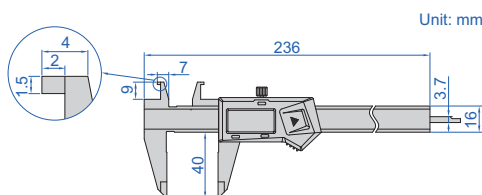
type A

type B

- Non waterproof
- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, zero, mm/inch
  type B: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital
  unit to turn on power
- Battery CR2032
- Made of stainless steel

measure depth of grooves
(h<10mm, only for type B)

measure diameter of
grooves 8-150mm

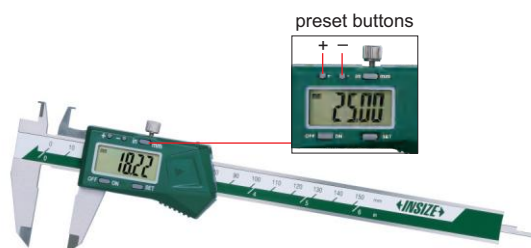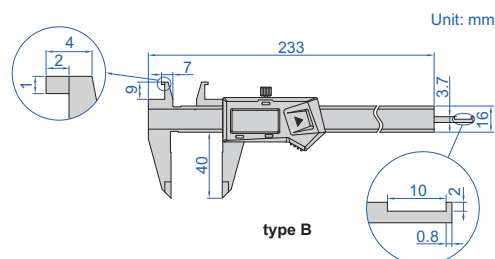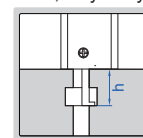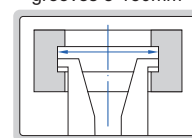**With data interface**
(optional data output cable: code 7315-25 receiver is needed page 5, 7214-25 page 11, 7302-21 page 20)

Code	Range of upper jaw	Range of lower jaw	Accuracy	Type
1191-150	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	A
1191-150B	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	B

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

Code	Range of upper jaw	Range of lower jaw	Accuracy	Type
1191-150WL	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	A
1191-150BWL	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	B

INSIDE GROOVE VERNIER CALIPER

measure diameter of
grooves 8-150mm

measure depth of
grooves (h<10mm)

1291-150
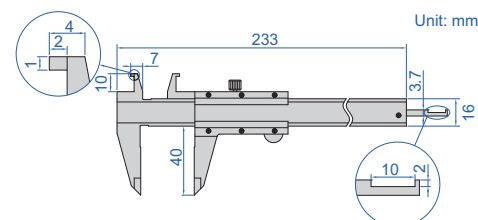
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range of upper jaw	Range of lower jaw	Accuracy
1291-150	8-150mm	0-150mm	±0.03mm

Unit: mm

DIGITAL OUTSIDE GROOVE CALIPERS

DATA OUTPUT

- Non waterproof
- Measure grooves and recesses in small spaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
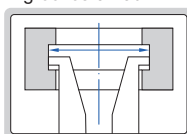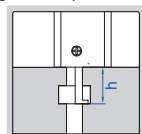- Battery CR2032
- Made of stainless steel

1535-100

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
1535-100	0-100mm/0-4"	±0.03mm

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

Code	Range	Accuracy
1535-100WL	0-100mm/0-4"	±0.03mm

Unit: mm
200
16
40
5.4
3.5
3.5
13.2
4

DEPTH STOP FOR CALIPERS

6143

Unit: mm
25
6
2-M3x0.5
2.5   2.5
3.6   4.4
10
5   5

application

for external groove measurement
for internal groove measurement
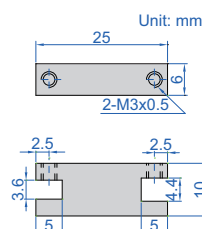
- Supplied in pair
- Made of stainless steel
- Suitable for caliper series **1124, 1526, 1530, 1199, 1520, 1176, 1178, 1120, 1121, 1187, 1129, 1185** and **1376**

Code
6143
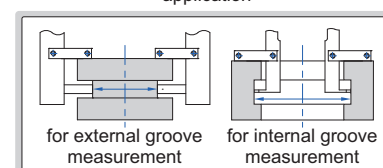
DIGITAL SMALL POINT CALIPERS

DATA OUTPUT

- Non waterproof
- Small pointed jaws fit into small grooves and recesses
- 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

1169-150

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
1169-150	0-150mm/0-6"	±0.03mm

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

Code	Range	Accuracy
1169-150WL	0-150mm/0-6"	±0.03mm

Unit: mm
235
20
15
3.7
16
40
10
2   2   2

64

DIGITAL POINT CALIPERS

- Non waterproof
- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
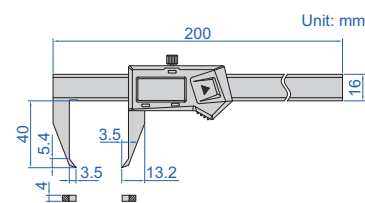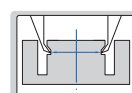- Made of stainless steel

1183-150A

**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	L	a	b	c
1183-150A	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200A	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300A	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm

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

Code	Range	Accuracy	L	a	b	c
1183-150AWL	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200AWL	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300AWL	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm

Unit: mm
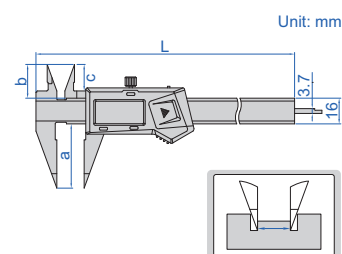
DIGITAL CALIPERS WITH POSITIONING SURFACES

- Non waterproof
- Lower jaws with positioning surfaces,
  for measuring inside diameters quickly
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital
  unit to turn on power
- Battery CR2032
- Made of stainless steel

1534-200

preset buttons

**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
1534-200	0-200mm/0-8"	±0.03mm

Unit: mm

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

Code	Range	Accuracy
1534-200WL	0-200mm/0-8"	±0.03mm

DIGITAL INSIDE KNIFE-EDGE CALIPERS

DATA OUTPUT

1123-150A

- Non waterproof
- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
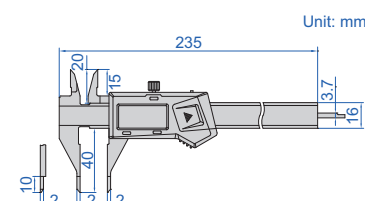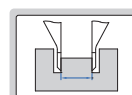- Battery CR2032
- Made of stainless steel

With data interface (mm)

Code	Range	Accuracy	L	a	b	c	d	e	Data output cable (optional)
1123-150A	15-150mm/0.6-6"	±0.05mm	250	60	12	16	0.3	3.5	**7315-25** (receiver is needed) page 5, **7214-25** page 11, **7302-21** page 20
1123-200A	20-200mm/0.8-8"	±0.06mm	305	100	17	16	0.3	3.5	
1123-300A	24-300mm/0.9-12"	±0.06mm	500	150	22	24	0.5	3.5	**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	a	b	c	d	e
1123-150AWL	15-150mm/0.6-6"	±0.05mm	250mm	60mm	12mm	16mm	0.3mm	3.5mm
1123-200AWL	20-200mm/0.8-8"	±0.06mm	305mm	100mm	17mm	16mm	0.3mm	3.5mm

DIGITAL CALIPERS WITH KNIFE-EDGE LOWER JAWS

DATA OUTPUT

1532-200

- Non waterproof
- Measure diameter of narrow grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
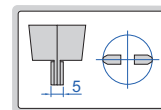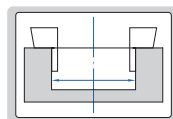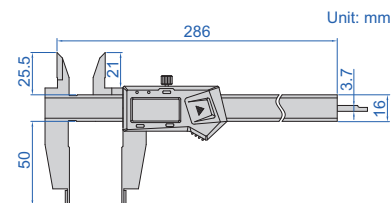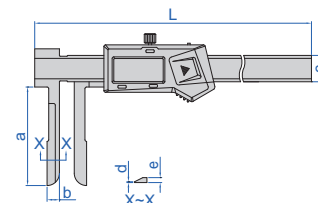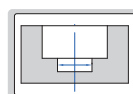- Battery CR2032
- Made of stainless steel

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
1532-200	0-200mm/0-8"	±0.03mm

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

Code	Range	Accuracy
1532-200WL	0-200mm/0-8"	±0.03mm

Unit: mm

DIGITAL CALIPERS WITH LONG UPPER JAWS

- Non waterproof
- Long upper jaws for measuring diameter of deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
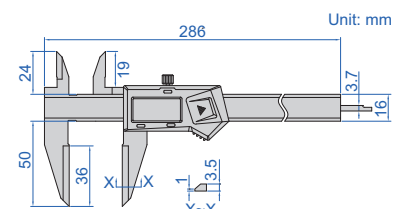- Battery CR2032
- Made of stainless steel

1138-200

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
1138-200	0-200mm/0-8"	±0.04mm

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

Code	Range	Accuracy
1138-200WL	0-200mm/0-8"	±0.04mm

Unit: mm

7.5 / 50 / 3.7 / 16 / 50 / 286

DIAL CALIPERS WITH LONG UPPER JAWS

1338-300

- Long upper jaws for measuring diameter of deep holes
- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel

(mm)
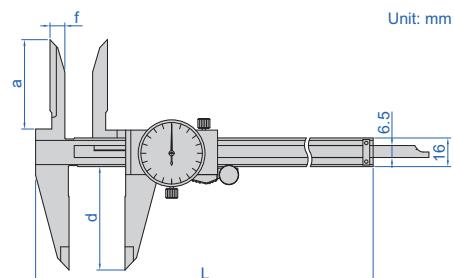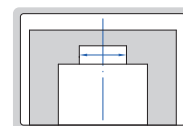
Code	Range	Accuracy	L	a	d	f
1338-150	0-150mm	±0.03mm	236	40	40	6.5
1338-200	0-200mm	±0.03mm	288	45	50	7.5
1338-300	0-300mm	±0.04mm	400	50	60	8

Unit: mm

f / a / 6.5 / 16 / d / L

DATA OUTPUT

DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

1521-2002

- Non waterproof
- Measure hole center distance in the same or offset planes and edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
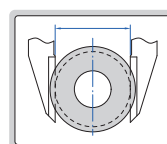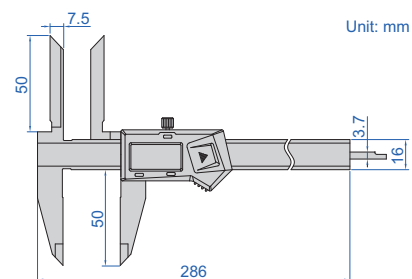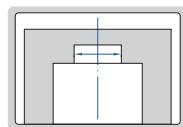- Made of stainless steel

Unit: mm

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

Code	Range	Accuracy	ØD	d	L	c
1521-150	5-140mm/0.2-5.5"	±0.05mm	5	5	236	16
1521-1501	10-140mm/0.4-5.5"	±0.05mm	10	10	236	16
1521-1502	20-140mm/0.8-5.5"	±0.05mm	20	20	236	16
1521-200	5-190mm/0.2-7.5"	±0.05mm	5	5	285	16
1521-2001	10-190mm/0.4-7.5"	±0.05mm	10	10	285	16
1521-2002	20-190mm/0.8-7.5"	±0.05mm	20	20	285	16
1521-300	5-290mm/0.2-11.5"	±0.07mm	5	5	385	17
1521-3001	10-290mm/0.4-11.5"	±0.07mm	10	10	385	17
1521-3002	20-290mm/0.8-11.5"	±0.07mm	20	20	385	17

measure hole center distance
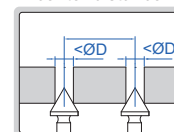
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is needed) (mm)

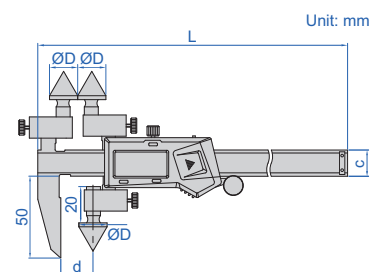| Code	Range	Accuracy	ØD	d	L	c
1521-150WL	5-140mm/0.2-5.5"	±0.05mm	5	5	236	16
1521-1501WL	10-140mm/0.4-5.5"	±0.05mm	10	10	236	16
1521-1502WL	20-140mm/0.8-5.5"	±0.05mm	20	20	236	16
1521-200WL	5-190mm/0.2-7.5"	±0.05mm	5	5	285	16
1521-2001WL	10-190mm/0.4-7.5"	±0.05mm	10	10	285	16
1521-2002WL	20-190mm/0.8-7.5"	±0.05mm	20	20	285	16
1521-300WL	5-290mm/0.2-11.5"	±0.07mm	5	5	385	17
1521-3001WL	10-290mm/0.4-11.5"	±0.07mm	10	10	385	17
1521-3002WL	20-290mm/0.8-11.5"	±0.07mm	20	20	385	17

measure edge to hole center distance
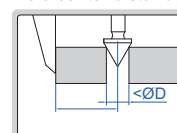
DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

preset buttons

1525-300

measure edge to
hole center distance

measure hole
center distance

d1=d2,
d1<ØD, d2<ØD

- Non waterproof
- Measure hole center distance
  or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the
  digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (mm)
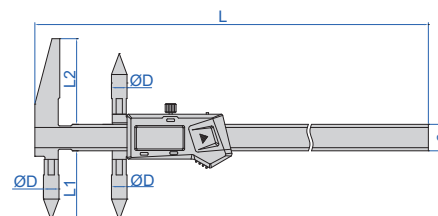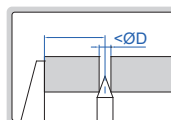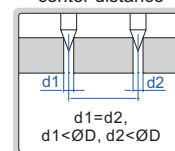
Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L	Data output cable (optional)
1525-300	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410	**7315-25** (receiver is needed) page 5, **7214-25** page 11, **7302-21** page 20
1525-3001	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	48	60	17	410	
1525-500	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	50	60	24	690	**7315-22** (receiver is needed) page 5, **7214-22** page 11, **7302-22** page 20
1525-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.12mm	30	70	81	31	1255	
1525-1500	15-1500mm/0.6-60"	30-1500mm/1.2-60"	±0.15mm	30	70	81	31	1760	

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

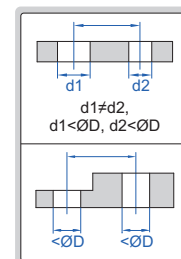| Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L
1525-300WL	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410
1525-3001WL	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	48	60	17	410
1525-500WL	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	50	60	24	690

DATA OUTPUT

preset buttons
+ −

DIGITAL OFFSET CENTERLINE CALIPERS

1192-150A

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

d1≠d2, d1<ØD, d2<ØD

<ØD   <ØD

With data interface

Code	Range	Accuracy	c	ØD	L1	L2	L	Data output cable (optional)
1192-150A	10-150mm/0.4-6"	±0.05mm	16mm	10mm	46mm	79mm	236mm	7315-25 (receiver is needed) page 5, 7214-25 page 11, 7302-21 page 20
1192-200A	10-200mm/0.4-8"	±0.07mm	16mm	10mm	46mm	79mm	286mm	
1192-300A	10-300mm /0.4-12"	±0.09mm	16mm	10mm	46mm	79mm	396mm	
1192-500A	20-500mm/0.8-20"	±0.09mm	24mm	20mm	70mm	110mm	683mm	7315-22 (receiver is needed) page 5, 7214-22 page 11, 7302-22 page 20
1192-1000A	30-1000mm/1.2-40"	±0.12mm	31mm	30mm	75mm	120mm	1255mm	
1192-1500A	30-1500mm/1.2-60"	±0.15mm	31mm	30mm	75mm	120mm	1760mm	

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

Code	Range	Accuracy	c	ØD	L1	L2	L
1192-150AWL	10-150mm/0.4-6"	±0.05mm	16mm	10mm	46mm	79mm	236mm
1192-200AWL	10-200mm/0.4-8"	±0.07mm	16mm	10mm	46mm	79mm	286mm
1192-300AWL	10-300mm /0.4-12"	±0.09mm	16mm	10mm	46mm	79mm	396mm
1192-500AWL	20-500mm/0.8-20"	±0.09mm	24mm	20mm	52mm	112mm	725mm

DATA OUTPUT

preset buttons
+ −

DIGITAL BACK-JAW CENTERLINE CALIPERS
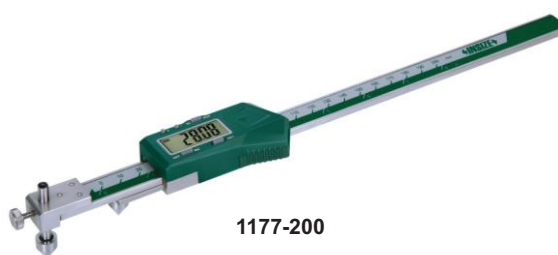
1177-200

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

<ØD   <ØD   d1≠d2, d1<ØD, d2<ØD

With data interface

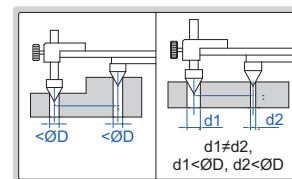| Code	Range	Accuracy	ØD	c	L1	L2	L	Data output cable (optional)
1177-200	10-200mm/0.4-8"	±0.10mm	10mm	16mm	18mm	45mm	310mm	7315-25 (receiver is needed) page 5, 7214-25 page 11, 7302-21 page 20
1177-300	10-300mm/0.4-12"	±0.10mm	10mm	16mm	18mm	45mm	410mm	
1177-500	20-500mm/0.8-20"	±0.10mm	20mm	24mm	26mm	70mm	692mm	7315-22 (receiver is needed) page 5, 7214-22 page 11, 7302-22 page 20
1177-1000	30-1000mm/1.2-40"	±0.12mm	30mm	31mm	39mm	70mm	1242mm	
1177-1500	30-1500mm/1.2-60"	±0.15mm	30mm	31mm	39mm	70mm	1745mm	

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

back-jaw

Code	Range	Accuracy	ØD	c	L1	L2	L
1177-200WL	10-200mm/0.4-8"	±0.10mm	10mm	16mm	18mm	45mm	310mm
1177-300WL	10-300mm/0.4-12"	±0.10mm	10mm	16mm	18mm	45mm	410mm
1177-500WL	20-500mm/0.8-20"	±0.10mm	20mm	24mm	26mm	70mm	692mm

DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

DATA OUTPUT

- Non waterproof
- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
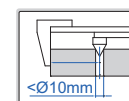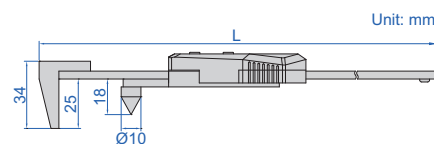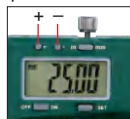- Battery CR2032
- Made of stainless steel

1524-200

back-jaw

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	L
1524-200	5-200mm/0.2-8"	±0.1mm	310mm
1524-300	5-300mm/0.2-12"	±0.1mm	410mm

Unit: mm

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

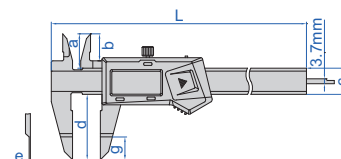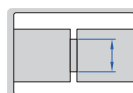| Code	Range	Accuracy	L
1524-200WL	5-200mm/0.2-8"	±0.1mm	310mm
1524-300WL	5-300mm/0.2-12"	±0.1mm	410mm

preset buttons

DIGITAL BLADE CALIPERS

DATA OUTPUT

1188-150A

- Non waterproof
- The blade jaws fit into small grooves
- 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

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	L	a	b	c	d	e	g
1188-150A	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200A	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300A	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm

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

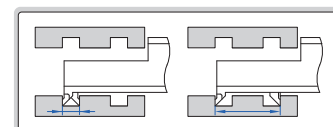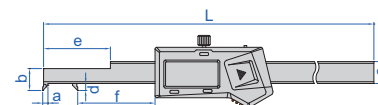| Code	Range	Accuracy	L	a	b	c	d	e	g
1188-150AWL	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200AWL	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300AWL	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm

DATA OUTPUT

DIGITAL HOOK CALIPERS

1122-300

- Non waterproof
- Measure width and distance of grooves inside bores
- 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

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	L	a	b	c	d	e	f
1122-150	3-150mm/0.12-6"	±0.03mm	260mm	3mm	12mm	12.5mm	4mm	24mm	27mm
1122-200	3-200mm/0.12-8"	±0.03mm	310mm	3mm	12mm	12.5mm	4mm	24mm	27mm
1122-300	4-300mm/0.16-12"	±0.04mm	466mm	4mm	14mm	15mm	5mm	86mm	89mm

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

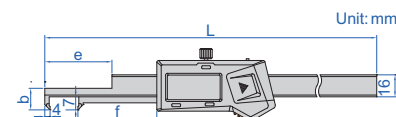| Code	Range	Accuracy	L	a	b	c	d	e	f
1122-150WL	3-150mm/0.12-6"	±0.03mm	260mm	3mm	12mm	12.5mm	4mm	24mm	27mm
1122-200WL	3-200mm/0.12-8"	±0.03mm	310mm	3mm	12mm	12.5mm	4mm	24mm	27mm
1122-300WL	4-300mm/0.16-12"	±0.04mm	466mm	4mm	14mm	15mm	5mm	86mm	89mm

DATA OUTPUT

DIGITAL EXTERNAL HOOK CALIPERS

1164-200

- Non waterproof
- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
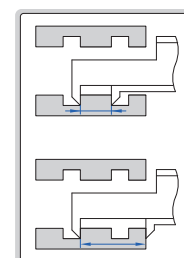- Battery CR2032
- Made of stainless steel

Unit: mm

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	L	b	e	f
1164-150	0-150mm/0-6"	±0.03mm	275mm	14mm	52mm	50mm
1164-200	0-200mm/0-8"	±0.03mm	325mm	14mm	52mm	50mm
1164-300	0-300mm/0-12"	±0.04mm	460mm	15mm	82mm	80mm

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

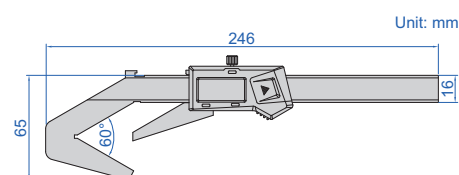| Code	Range	Accuracy	L	b	e	f
1164-150WL	0-150mm/0-6"	±0.03mm	275mm	14mm	52mm	50mm
1164-200WL	0-200mm/0-8"	±0.03mm	325mm	14mm	52mm	50mm
1164-300WL	0-300mm/0-12"	±0.04mm	460mm	15mm	82mm	80mm

DIGITAL V SHAPE CALIPER

1539-3

- Non waterproof
- Measure outside diameter of three number of flutes
  (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel
- Optional accessory:
  wireless transmitter code **7315-25** (receiver is needed) page 5,
  bluetooth transmitter code **7214-25** page 11,
  data output cable code **7302-21** page 20

Unit: mm

246
65
60°
16

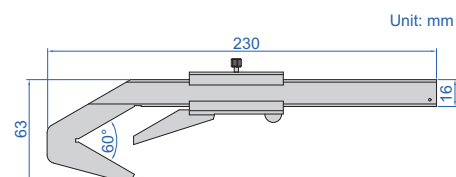| Code	Range	Accuracy
1539-3	Ø4-Ø40mm/0.16"-1.58" DIA	±0.03mm

V SHAPE VERNIER CALIPER

1273-403

- Measure outside diameter of three
  number of flutes (such as taps,
  reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface

Unit: mm

230
63
60°
16

Code	Range	Graduation	Accuracy
1273-403	Ø4-40mm	0.05mm	±0.05mm

73

**DIGITAL V TYPE CALIPERS**

DATA OUTPUT

VIDEO

1529-5

- Non waterproof
- Measure the outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel
- Optional accessory: Ø50mm calibration cylinder (code **6316-50**), wireless transmitter code **7315-25** (receiver is needed) page 5, bluetooth transmitter code **7214-25** page 11, data output cable code **7302-21** page 20
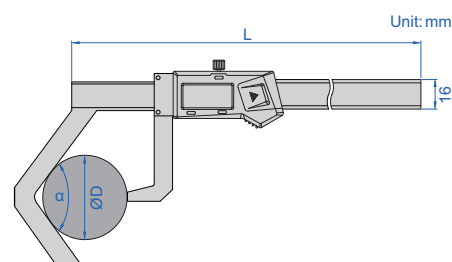
Unit: mm

Ø50mm calibration cylinder (code **6316-50**, **optional**)

| Code	Range (ØD)	Flutes	Accuracy	Angle α	L
1529-3	Ø50-Ø200mm/2-8" DIA	3	±0.06mm	60°	390mm
1529-5	Ø50-Ø200mm/2-8" DIA	5	±0.06mm	108°	318mm
1529-19	Ø50-Ø200mm/2-8" DIA	19	±0.06mm	85°15'47"	336mm
1529-23	Ø50-Ø200mm/2-8" DIA	23	±0.06mm	70°26'5"	362mm
1529-31	Ø50-Ø200mm/2-8" DIA	31	±0.06mm	75°29'2"	355mm

V SHAPE VERNIER CALIPERS

- Measure outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface
- Optional accessory: 4mm pin gauge (code **4110-4D00**), Ø50mm calibration cylinder (code **6316-50**)

1229-3

Code	Range (ØD)	Graduation	Accuracy	Flutes	Angle α	L	c
1229-3	Ø4-60mm	0.02mm	±0.04mm	3	60°	260mm	16mm
1229-35	Ø50-200mm	0.02mm	±0.06mm	3	60°	516mm	20mm
1229-5	Ø4-60mm	0.02mm	±0.04mm	5	108°	210mm	16mm
1229-55	Ø50-200mm	0.02mm	±0.06mm	5	108°	360mm	20mm
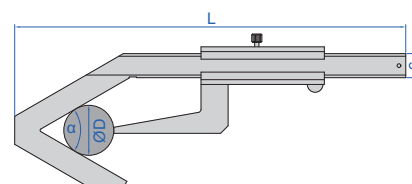
DIGITAL CALIPERS WITH ONE DIRECTION UPPER JAWS

1184-200

1184-150A

Unit: mm

jaws with same height
used for measuring the
distance in same level

jaws with different height
used for measuring the
distance in different level
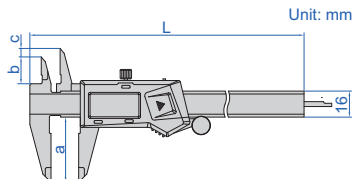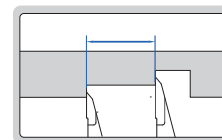
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Automatic power off, move the digital
  unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory:
  wireless transmitter code **7315-25** (receiver is needed) page 5,
  bluetooth transmitter code **7214-25** page 11,
  data output cable code **7302-21** page 20

Jaws with same height (mm)

Code	Range	Accuracy	L	a	b	c
1184-150	0-150mm/0-6"	±0.03mm	236	40	17	0
1184-200	0-200mm/0-8"	±0.03mm	286	50	20	0
1184-300	0-300mm/0-12"	±0.03mm	400	60	22	0

Jaws with different height (mm)

| Code	Range	Accuracy	L	a	b	c
1184-150A	0-150mm/0-6"	±0.03mm	236	40	17	5
1184-200A	0-200mm/0-8"	±0.03mm	286	50	20	8
1184-300A	0-300mm/0-12"	±0.03mm	400	60	22	10

DIGITAL OFFSET CALIPERS

1186-150A

- Non waterproof
- The left jaw can slide up and down to
  facilitate measurement of stepped sections
- 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

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

Code	Range	Accuracy	L	a	b	c	d	e	f
1186-150A	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7
1186-200A	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7
1186-300A	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7

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

Code	Range	Accuracy	L	a	b	c	d	e	f
1186-150AWL	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7
1186-200AWL	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7
1186-300AWL	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7

DIGITAL TUBE THICKNESS CALIPERS
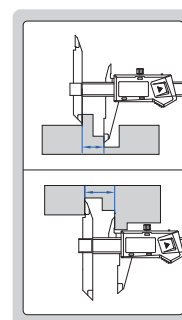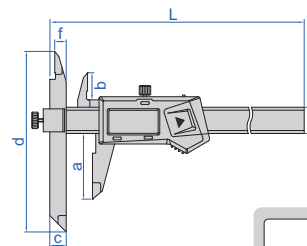
DATA OUTPUT

- Non waterproof
- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
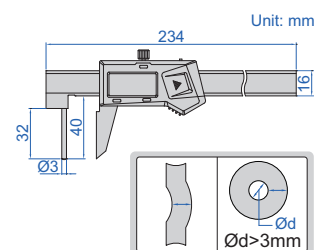- Battery CR2032
- Made of stainless steel

1161-150A

Unit: mm

234
32 40 Ø3 16

Ød
Ød>3mm

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
1161-150A	0-150mm/0-6"	±0.05mm

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

Code	Range	Accuracy
1161-150AWL	0-150mm/0-6"	±0.05mm

DIGITAL RTJ RING GROOVE CALIPERS
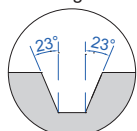
DATA OUTPUT

preset buttons
+ −

- Non waterproof
- Angle of RTJ ring groove: 23°
- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Made of stainless steel
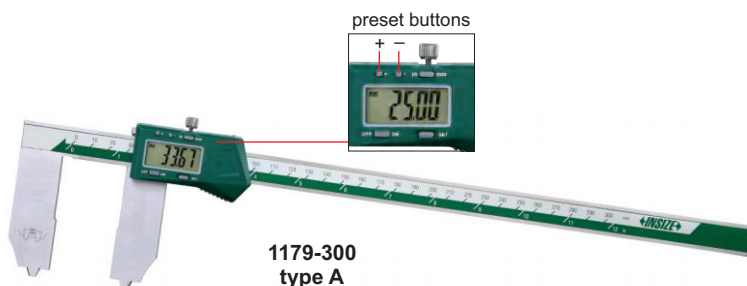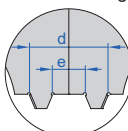
1179-300 type A

1179-600 type B

applicable for RTJ ring grooves with angle 23°
23° 23°
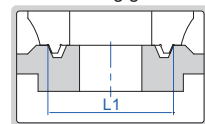
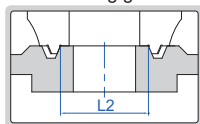d and e need to be added on the reading
d
e

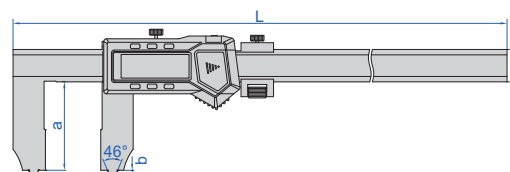measure outside diameter of RTJ ring groove
L1

measure inside diameter of RTJ ring groove
L2

L
a
b
c
46°
type A
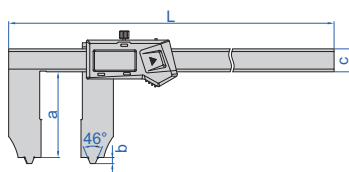
L
a
b
c
46°
type B

With data interface (mm)

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Accuracy	Type	L	a	b	c	d	e	Data output cable (optional)
1179-300	10-300mm/0.4-12"	25-300mm/1-12"	±0.06mm	A	410	63.5	4.5	17	25	10	7315-25 (receiver is needed) page 5, 7214-25 page 11, 7302-21 page 20
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	±0.07mm	B	770	65.5	4.5	24	25	10	7315-22 (receiver is needed) page 5, 7214-22 page 11, 7302-22 page 20
1179-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.09mm	B	1220	90	5	31	30	15	

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

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Accuracy	Type	L	a	b	c	d	e
1179-300WL	10-300mm/0.4-12"	25-300mm/1-12"	±0.06mm	A	410	63.5	4.5	17	25	10
1179-600WL	10-600mm/0.4-24"	25-600mm/1-24"	±0.07mm	B	770	65.5	4.5	24	25	10

DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS
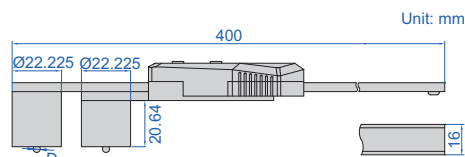
DATA OUTPUT

2

back-jaw

ball tips are optional

preset buttons
+ −

1527-3001

Unit: mm

Ø22.225 Ø22.225

400

20.64

16

D

- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

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
1527-3001	(22.22+D)~300mm*	±0.03mm

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

Code	Range	Accuracy
1527-3001WL	(22.22+D)~300mm*	±0.03mm

***"D" is the diameter of ball tips.**

Ball tips (optional, supplied in pair)

Unit: mm

Ø3

20

5

D

1527-T101   type A

1527-T104

Unit: mm

Ø3

20

D
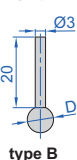
type B

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	stainless steel

DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS

DATA OUTPUT

Unit: mm

425

16

25.4

D

30

5.87

6.35   6.35
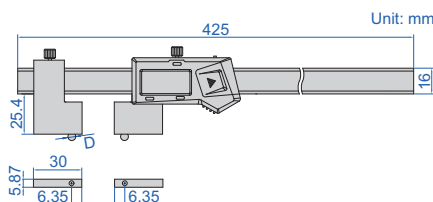
ball tips are optional   **1528-3001**

preset buttons
+ −

- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

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
1528-3001	(12.7+D)~300mm*	±0.03mm

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

Code	Range	Accuracy
1528-3001WL	(12.7+D)~300mm*	±0.03mm

***"D" is the diameter of ball tips.**

Ball tips (optional, supplied in pair)

Unit: mm

Ø3

20

5

D

1527-T101   type A

1527-T104

Unit: mm

Ø3

20

D

type B

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	stainless steel

DATA OUTPUT

DIGITAL CRIMP HEIGHT CALIPERS

- Non waterproof
- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
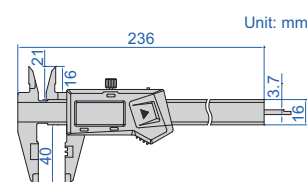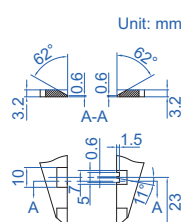- Made of stainless steel

1165-150A

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
1165-150A	0-150mm/0-6"	±0.03mm

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

Code	Range	Accuracy
1165-150AWL	0-150mm/0-6"	±0.03mm

Unit: mm

Unit: mm

DATA OUTPUT

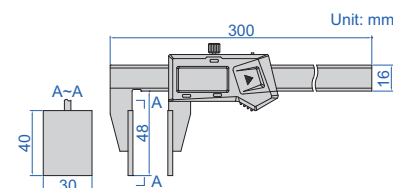# DIGITAL CALIPERS WITH LARGE MEASURING FACES

1172-200

- Non waterproof
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- 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

With data interface (optional data output cable: code 7315-25 receiver is needed page 5, 7214-25 page 11, 7302-21 page 20)
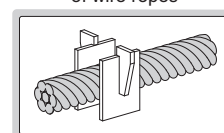
Code	Range	Accuracy
1172-200	0-200mm/0-8"	±0.07mm

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

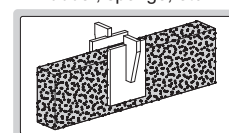| Code	Range	Accuracy
1172-200WL	0-200mm/0-8"	±0.07mm

Unit: mm

measure diameter of wire ropes

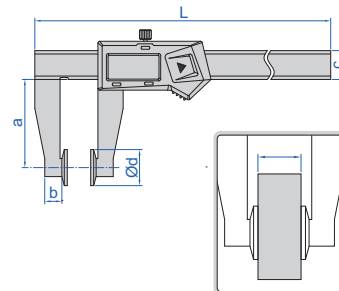measure thickness of rubber, sponge, etc.

DIGITAL CALIPERS WITH DISK FACES

DATA OUTPUT

- Non waterproof
- Measure thickness of soft sheets
- 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

1533-150

With data interface (mm)

Code	Range	Accuracy	L	a	b	c	Ød	Data output cable (optional)
1533-150	0-150mm/0-6"	±0.04mm	245	50	11	16	20	**7315-25** (receiver is needed) page 5, **7214-25** page 11, **7302-21** page 20
1533-200	0-200mm/0-8"	±0.05mm	310	80	11	16	30	
1533-500	0-500mm/0-20"	±0.07mm	680	150	12.5	24	50	**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) (mm)

Code	Range	Accuracy	L	a	b	c	Ød
1533-150WL	0-150mm/0-6"	±0.04mm	245	50	11	16	20
1533-200WL	0-200mm/0-8"	±0.05mm	310	80	11	16	30
1533-500WL	0-500mm/0-20"	±0.07mm	680	150	12.5	24	50

DIGITAL WALL THICKNESS CALIPERS

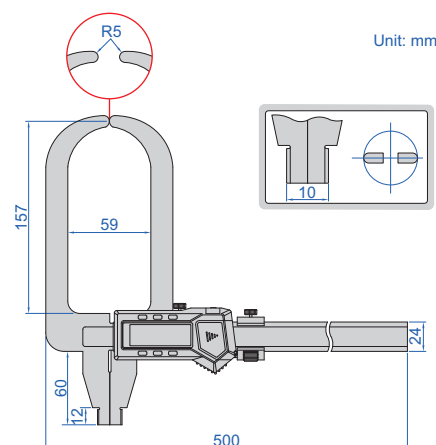**DATA OUTPUT**

1536-300

Unit: mm

- Non waterproof
- Measure wall thickness of helmets, domes and curved pots
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (optional data output cable: code 7315-22 receiver is needed page 5, 7214-22 page 11, 7302-22 page 20)
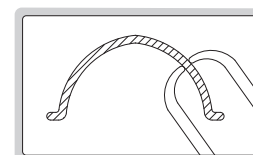
Code	Range	Accuracy
1536-300	0-300mm/0-12"	±0.05mm

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

Code	Range	Accuracy
1536-300WL	0-300mm/0-12"	±0.05mm

DIGITAL GEAR TOOTH CALIPERS
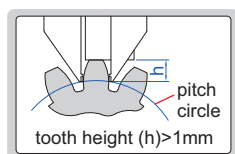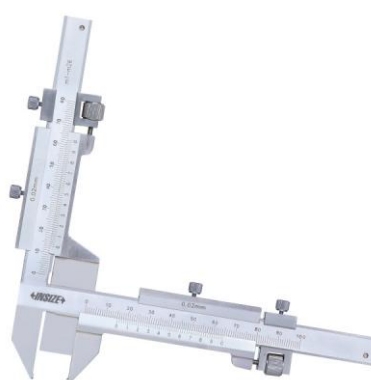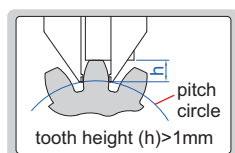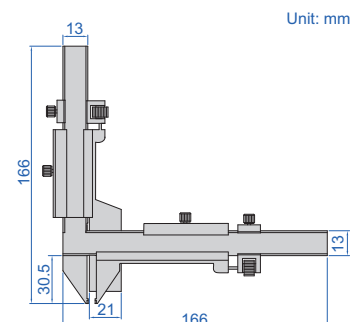
tooth height (h)>1mm

1181-M25A
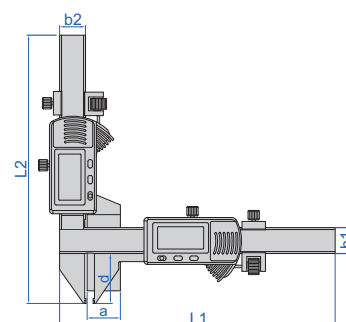
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height>1mm)
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

Code	Range	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy	L1	L2	a	b1	b2	d
1181-M25A	M1-25mm	±0.03mm	±0.03mm	±0.04mm	170mm	165.5mm	21mm	16mm	16mm	30.5mm
1181-M50A	M5-50mm	±0.03mm	±0.03mm	±0.04mm	220mm	190mm	50.5mm	16mm	16mm	55mm

GEAR TOOTH VERNIER CALIPER

tooth height (h)>1mm

1281-M26A

Unit: mm

- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height>1mm)
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy
1281-M26A	M1-26mm	0.02mm	±0.03mm	±0.03mm	±0.04mm

DIGITAL DISK BRAKE CALIPERS

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

DATA OUTPUT

- Non waterproof
- Measure thickness of disk brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
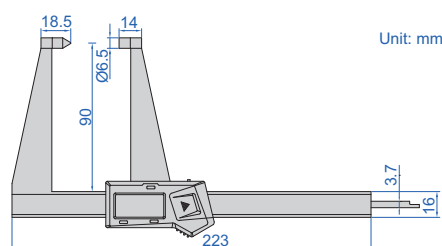- Battery CR2032
- Made of stainless steel

1162-125A

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
1162-125A	0-125mm/0-5"	±0.05mm

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

Code	Range	Accuracy
1162-125AWL	0-125mm/0-5"	±0.05mm

Unit: mm

18.5 14 Ø6.5 90 3.7 16 223

DIGITAL DISK BRAKE AND PAD CALIPERS

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

DATA OUTPUT

- Non waterproof
- Measure thickness of disk brakes and pad wear
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
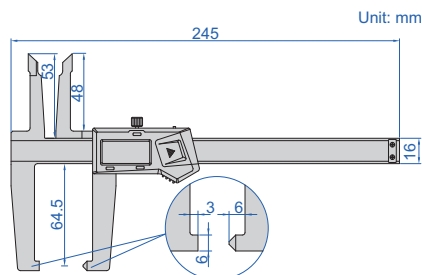- Battery CR2032
- Made of stainless steel

1167-150A

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
1167-150A	0-150mm/0-6"	±0.07mm

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

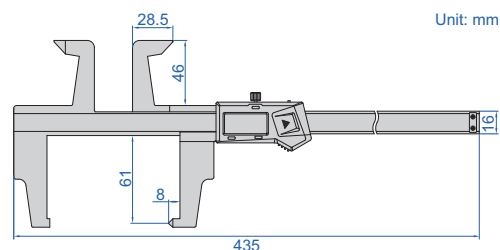| Code	Range	Accuracy
1167-150AWL	0-150mm/0-6"	±0.07mm

Unit: mm

245 53 48 16 64.5 3 6 6

DATA OUTPUT

DIGITAL DRUM BRAKE CALIPERS

1168-300A

- Non waterproof
- Measure internal and external diameter of drum brakes
- 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

Unit: mm

28.5
46
16
61
8
435

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
1168-300A	0-300mm/0-12"	±0.07mm

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

Code	Range	Accuracy
1168-300AWL	0-300mm/0-12"	±0.07mm

DATA OUTPUT

DIGITAL DRUM BRAKE CALIPER

calibration block (included)

adjustable depth rod

adjustable depth rod
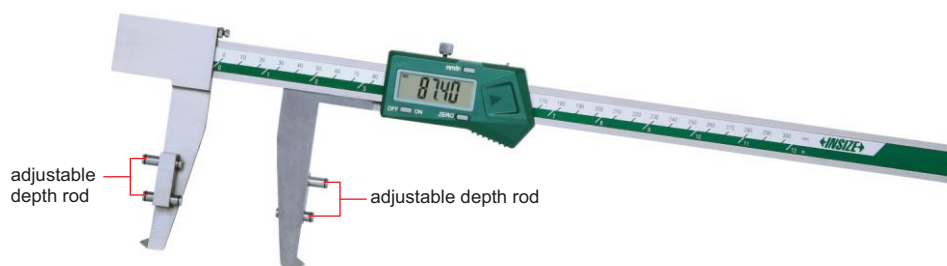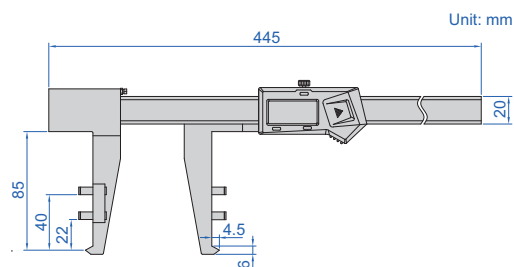
1538-300

- Non waterproof
- Measure internal diameter of drum brakes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- 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

Unit: mm

445
20
85
40
22
4.5
6

Code	Range	Accuracy
1538-300	30-300mm/1.2-12"	±0.05mm
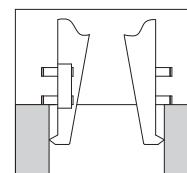
DIGITAL ARC RADIUS CALIPERS

1189-200B

DIGITAL SCRIBING CALIPERS

1166-150A

KEYWAY SYMMETRY DIGITAL CALIPERS

1531-60
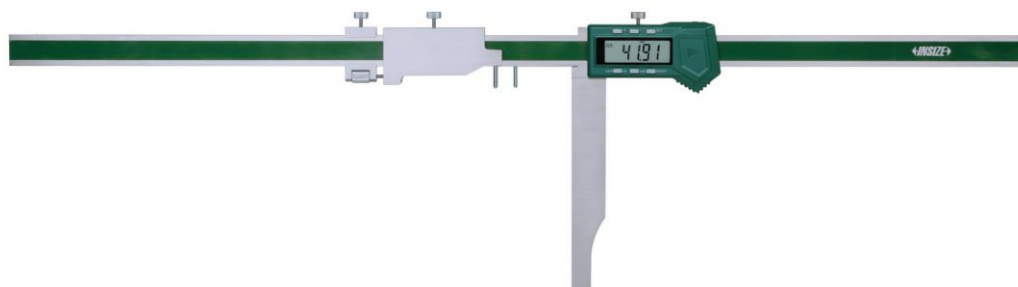
1531-200
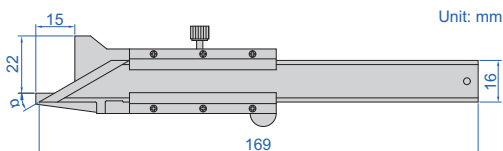
CHAMFER GAUGES

**1267-6**

- Measure 30º/45º/60º chamfer dimension
- Graduation: 0.02mm
- Made of stainless steel
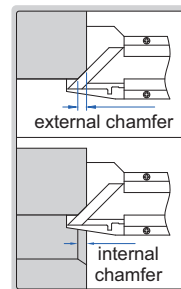- Satin chrome plated reading surface

Unit: mm

15
22
169
16

for internal chamfer measurement, diameter should be larger than ØD

ØD

measure chamfer dimension

external chamfer

internal chamfer

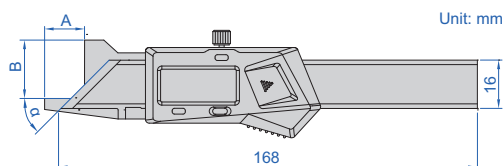| Code	Range	Accuracy	Chamfer (α)	ØD
1267-6	0-10mm	±0.06mm	45º	7mm
1267-63	0-10mm	±0.06mm	30º	8mm
1267-66	0-10mm	±0.06mm	60º	7mm
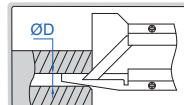
## 9 DIGITAL CHAMFER GAUGES

DATA OUTPUT

1180-6

- Non waterproof
- Measure 15º/20º/30º/45º/60º chamfer dimension
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel

Unit: mm

A
B
168
16

for internal chamfer measurement, diameter should be larger than ØD

ØD

measure chamfer dimension

external chamfer
α

internal chamfer
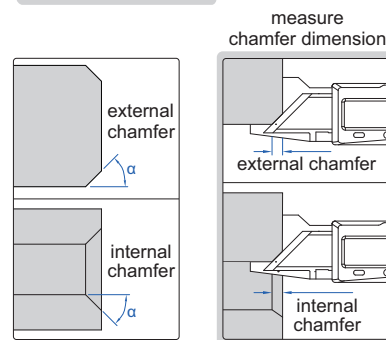α

external chamfer

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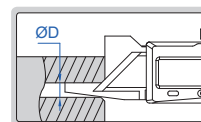
With data interface (optional data output cable: code 7315-25 receiver is needed page 5, 7214-25 page 11, 7302-21 page 20)

Code	Range	Accuracy	Chamfer (α)	A	B	ØD
1180-6	0-10mm/0-0.39"	±0.06mm	45º	15mm	22mm	7mm
1180-61	0-10mm/0-0.39"	±0.06mm	15º	33mm	20mm	11mm
1180-62	0-10mm/0-0.39"	±0.06mm	20º	33mm	20mm	11mm
1180-63	0-10mm/0-0.39"	±0.06mm	30º	15mm	22mm	8mm
1180-66	0-10mm/0-0.39"	±0.06mm	60º	14mm	21mm	7mm

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

| Code	Range	Accuracy	Chamfer (α)	A	B	ØD
1180-6WL	0-10mm/0-0.39"	±0.06mm	45º	15mm	22mm	7mm
1180-61WL	0-10mm/0-0.39"	±0.06mm	15º	33mm	20mm	11mm
1180-62WL	0-10mm/0-0.39"	±0.06mm	20º	33mm	20mm	11mm
1180-63WL	0-10mm/0-0.39"	±0.06mm	30º	15mm	22mm	8mm
1180-66WL	0-10mm/0-0.39"	±0.06mm	60º	14mm	21mm	7mm

243

DIGITAL SNAP GAUGE

ATTENTION: NO DATA OUTPUT

2163-25

Unit: mm

- Resolution: 0.01mm/0.0005"
- Accuracy: ±0.04mm
- For thickness and tube wall thickness measurement

Code	Thickness range	Tube wall thickness range
2163-25	0-25mm/0-1"	0-2mm/0.08"

thickness measurement

tube wall thickness measurement
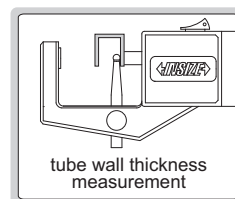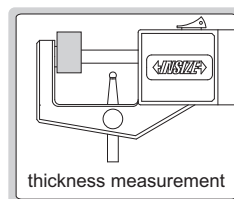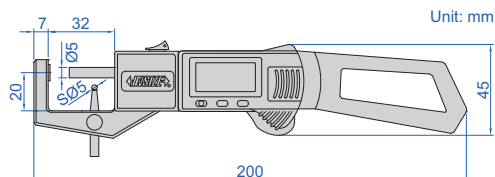
DIGITAL SNAP GAUGES

DATA OUTPUT
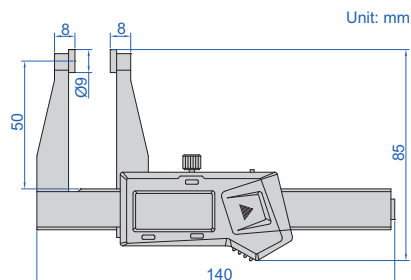
spring force
2N

1163-50A

Unit: mm

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	Resolution	Accuracy
1163-50A	0-50mm/0-2"	0.01mm/0.0005"	±0.03mm

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

Code	Range	Resolution	Accuracy
1163-50AWL	0-50mm/0-2"	0.01mm/0.0005"	±0.03mm

- Non waterproof
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
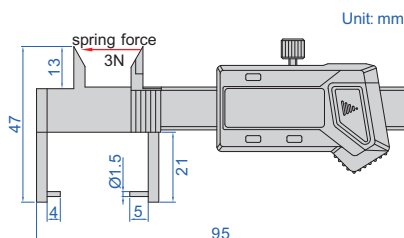- Battery CR2032
- Made of stainless steel

DIGITAL 3-PURPOSE SNAP GAUGE

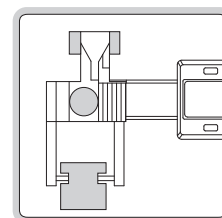**ATTENTION: NO DATA OUTPUT**

SUITABLE FOR JEWELLERY

2164-25A

Unit: mm

spring force
3N

VIDEO

- Non waterproof
- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel

Code	Range	Resolution	Accuracy
2164-25A	0-25mm/0-1"	0.01mm/0.0005"	±0.03mm

323

DATA OUTPUT

STEP AND GAP GAUGES

spring force
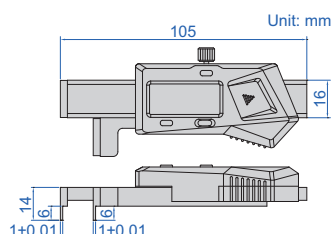3N

front   back

2168-12

- Non waterproof
- Measure step height and gap width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Supplied with zero setting block

zero setting block
(included)

With data interface (optional data output cable: code 7315-25 receiver is needed page 5, 7214-25 page 11, 7302-21 page 20)
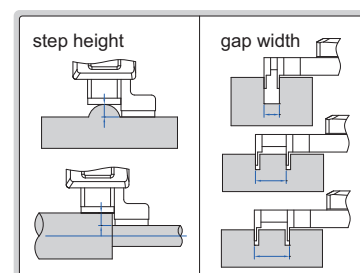
Code	Range	Accuracy
2168-12	0-12.7mm/0-0.5"	±0.03mm

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

Code	Range	Accuracy
2168-12WL	0-12.7mm/0-0.5"	±0.03mm

Unit: mm

105
16
14
6
6
1±0.01   1±0.01

step height	gap width

11

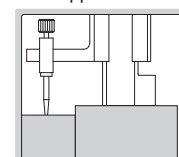
MINI VERNIER HEIGHT GAUGE

Unit: mm

15
80
15
30
Ø2.5
21.5
3
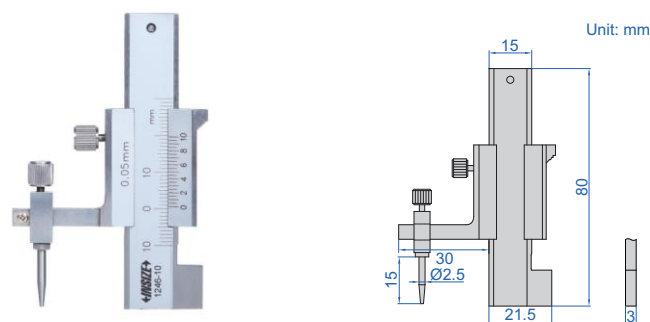
1246-10

- Measure height difference of two surfaces
- Graduation: 0.05mm
- Made of stainless steel
- Satin chrome plated reading surface

application

Code	Range	Accuracy
1246-10	0~±10mm	±0.05mm

324

DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS

1527-3001

1528-3001

DIGITAL RTJ RING GROOVE CALIPERS

1179-300

1179-600

THREAD GAUGES FOR ROTARY SHOULDERED CONNECTIONS OF PETROLEUM EQUIPMENT

4177-23

CASING, TUBING AND LINE PIPE THREAD GAUGES OF PETROLEUM AND GAS EQUIPMENT

4178-21T

11

344