



16p



17p



18p



19p



19p



20p



20p



21p



21p



22p



22p



23p

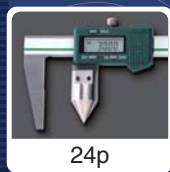


23p

CALIPERS



24p



24p



25p



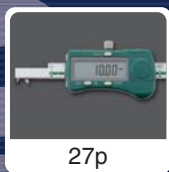
25p



26p



26p



27p



27p



28p



29p



29p



30p



30p



31p



31p



32p



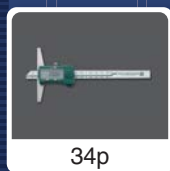
32p



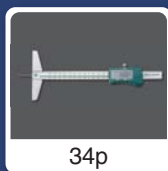
33p



33p



34p



34p



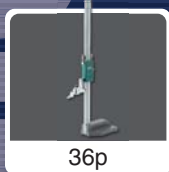
35p



35p



36p



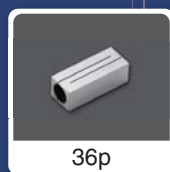
36p



36p



36p



36p



37p



37p



37p



37p



38p



38p



38p



38p

CALIPERS

SCRIBING
CALIPERS

DEPTH
GAUGES

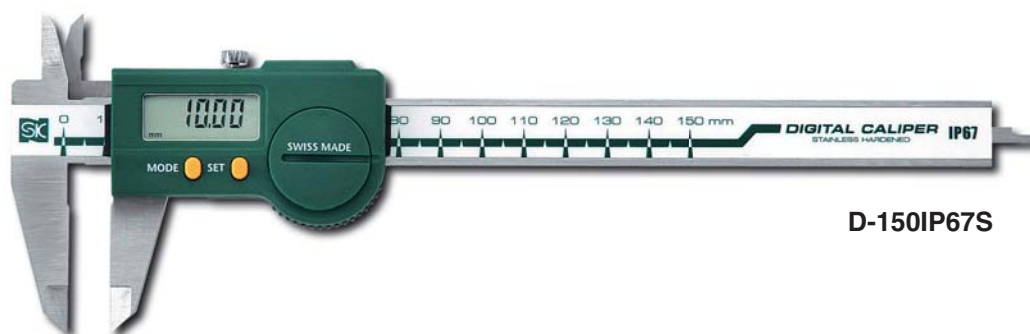
HEIGHT
GAUGES



DIGITAL S-LINE CALIPERS (IP67)



S-line series caliper, high-end model for high-performance!
IP67 (comparable to NEMA 6) electronics are protected against temporary total immersion.



D-150IP67S



- IP rating for electrical equipment is defined based on IEC standard for water and solid body protection.
- IP indication

IP 67

- 2nd digit : water proof rating
- 1st digit : direct contact-protection rating for ingress of solid foreign object

Degrees of protection against solid foreign objects			
1st digit	Description	Definition	Testing for
6	Solid	No ingress of dust allowed	Complete protection against contact
Degrees of protection against water			
2nd digit	Description	Definition	Testing for
7	Liquid	Protected against the effects of temporary immersion in water	Depth of 1m (height of the equipment is less than 850mm), submerged for 30 minutes.

USE • For outside diameter, inside diameter step and depth measurement

MATERIAL

- Stainless steel

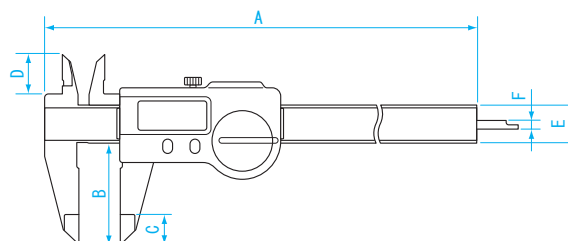
FEATURES

- Digital calipers with **IP67** (comparable to NEMA6) can be used in cutting fluid environment
- Stand-by mode after 20 min.

POWER

- One CR2032 (Lithium) battery included for testing

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F
D-150IP67S	234.5	40	11	16	16	4
D-200IP67S	290	50	14	19	16	4
D-300IP67S	387	64	14	19	16	—

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy [※] (mm)	Depth Bar	Weight
152006	D-150IP67S	0-150	0.01	± 0.02	Yes	170g
152007	D-200IP67S	0-200	0.01	± 0.03	Yes	200g
152008	D-300IP67S	0-300	0.01	± 0.03	None	270g

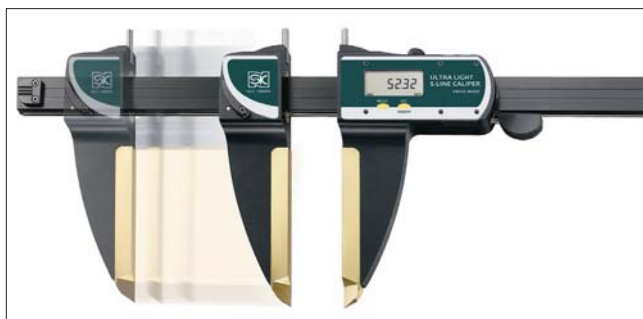
※ Accuracy listed for outside measurements only. For other measurements, accuracy specification will be 0.02 larger.

※ Quantization Error (± 1 digit) not included

S-line series caliper, high-functionality model for high-performance!
Aluminum body, light weight for easy handling and measuring with large work piece.



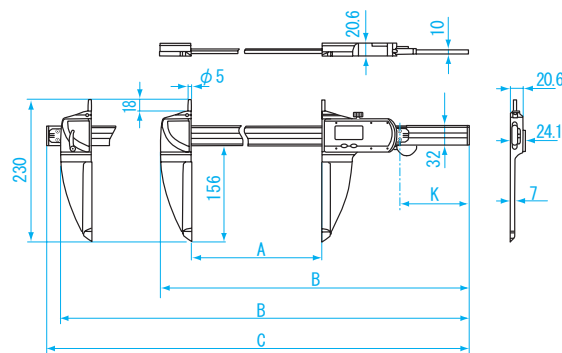
ULC-1000S



Left side jaw is movable and can be set to desired position (except for ULC-600S)



DIMENSIONS



Units : mm

Model No.	A	B	C	K
ULC-600S	630	918	—	110
ULC-1000S	1025	1284	1306	80
ULC-1500S	1525	1784	1806	80
ULC-2000S	2040	2284	2306	65

USE • Outside and inside measurement

MATERIAL

- Body : Aluminum
- Inner gauge head : Carbide
- Outside gauge head : Stainless (Titanium coated)

FEATURES

- Aluminum body, light weight long digital calipers
- Left side jaw is movable and can be set to desired position (except for ULC-600S)
- Tolerance setting function for inspection
- PRESET function

POWER

- One CR2032 (Lithium) battery included for testing

Order No.	Model No.	Measuring Range ^{※1} (mm)	Resolution (mm)	Accuracy ^{※2} (mm)	Depth Bar	Weight
NEW 151821	ULC-600S	0-600	0.01	± 0.04	None	1.3kg
NEW 151822	ULC-1000S	0-1000	0.01	± 0.06	None	1.6kg
NEW 151823	ULC-1500S	0-1500	0.01	± 0.12	None	2.0kg
NEW 151824	ULC-2000S	0-2000	0.01	± 0.15	None	2.3kg

※ 1 Measuring Range of inner diameter is from 10mm for each model

※ 2 Quantization Error (± 1 digit) not included

DIGITAL CALIPERS/ DIGITAL CALIPERS WITH CARBIDE TIPPED MEASURING FACE



DT-150



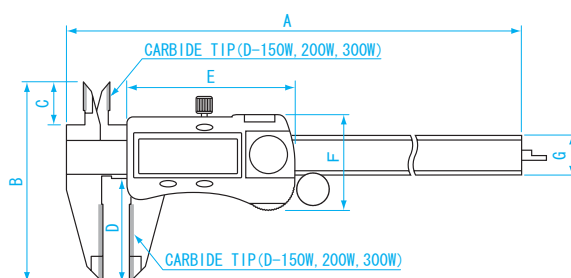
D-150W, D-200W, D-300W are carbide-tipped for outside & inside measurement



DT-150CD (φ 1.9mm round depth bar)



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
DT-100	186	77	16.5	40	67	38	16
DT-150	236	77	16.5	40	67	38	16
DT-200	286	90	19.5	50	67	38	16
DT-300	400	102	20.5	60	67	38	16
DT-150CD	236	77	16.5	40	67	38	16
D-150W	236	77	16.5	40	67	38	16
D-200W	286	90	19.5	50	67	38	16
D-300W	400	102	20.5	60	67	38	16

USE • For outside diameter, inside diameter, step and depth measurement

FEATURES

- Quick display of the measured value
- Available with **carbide tipped** measuring faces (D-150W-300W)
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight	Note
151291	DT-100	0-100	0.01	± 0.03	Yes	145g	—
151292	DT-150	0-150	0.01	± 0.03	Yes	160g	—
151293	DT-200	0-200	0.01	± 0.03	Yes	200g	—
151294	DT-300	0-300	0.01	± 0.04	Yes	270g	—
151305	DT-150CD	0-150	0.01	± 0.03	Yes	175g	with φ 1.9mm round depth bar
151085	D-150W	0-150	0.01	± 0.03	Yes	160g	Carbide-tipped measuring faces
151086	D-200W	0-200	0.01	± 0.03	Yes	200g	Carbide-tipped measuring faces
151087	D-300W	0-300	0.01	± 0.04	Yes	270g	Carbide-tipped measuring faces

※ Quantization Error (± 1 digit) not included

High performance at a reasonable price



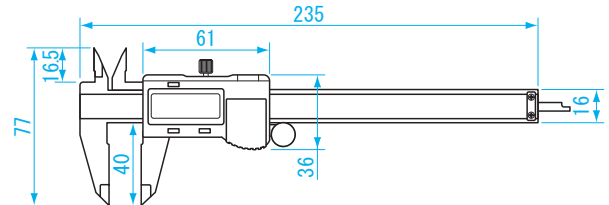
- USE**
- For outside diameter, inside diameter, step and depth measurement

FEATURES

- Quick display of the measured value
- Hold function
- Made of stainless steel
- One CR2032 (Lithium) battery included for testing

DIMENSIONS

Units : mm



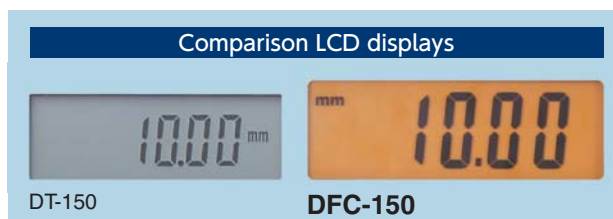
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151306	DS-150	0-150	0.01	± 0.03	Yes	155g

※ Quantization Error (± 1 digit) not included

DIGITAL FINE CALIPERS



DFC-150



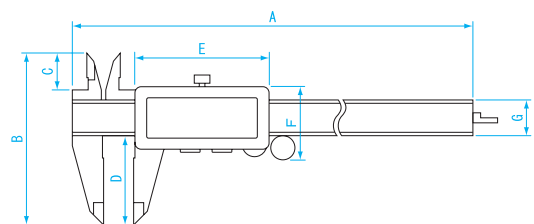
- USE**
- For outside diameter, inside diameter, step and depth measurement

FEATURES

- Viewable in dim lighting, fine orange LCD background
- With big LCD display
- Made of stainless steel
- One CR2025 (Lithium) battery included for testing

DIMENSIONS

Units : mm



Model No.	A	B	C	D	E	F	G
DFC-150	235	76	15.5	40	62	33.5	16
DFC-200	285	90.5	19.5	50	62	33.5	16
DFC-300	390	102.5	22	60	62	33.5	16

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
152041	DFC-150	0-150	0.01	± 0.03	Yes	170g
152042	DFC-200	0-200	0.01	± 0.03	Yes	200g
152043	DFC-300	0-300	0.01	± 0.04	Yes	250g

※ Quantization Error (± 1 digit) not included

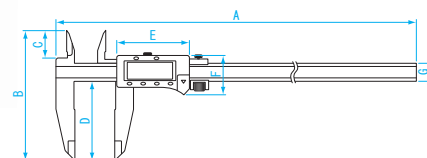
DIGITAL CALIPERS

DIGITAL CALIPERS



D-500

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
D-500	675	168	37.5	100	100	55	24
D-600	775	168	37.5	100	100	55	24
D-1000	1222	216	50	125	129	75	31
D-1500	1780	262	61	150	165	93	42
D-2000	2290	262	61	150	165	93	42

USE • Outside diameter, inside diameter and step measurement

FEATURE

- Digital caliper with nib style and standard jaws
- Zero-setting at any position
- Provided with fine-adjustment carriage
- Made of stainless steel
- One CR2032 (Lithium) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151053	D-500	0-500	0.01	± 0.05	None	1.0kg
151054	D-600	0-600	0.01	± 0.08	None	1.1kg
151055	D-1000	0-1000	0.01	± 0.10	None	2.4kg
151156	D-1500	0-1500	0.01	± 0.14	None	5.0kg
151157	D-2000	0-2000	0.01	± 0.20	None	6.5kg

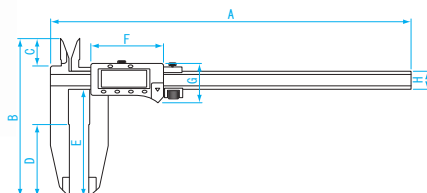
※ Quantization Error (± 1 digit) not included

DIGITAL LONG JAW CALIPERS



D-300LV

DIMENSIONS



Units : mm

USE • Outside diameter, inside diameter and step measurement

FEATURES

- Long jaws for measuring hard-to-reach features
- Made of stainless steel
- One CR2032 (Lithium) battery included for testing

Model No.	A	B	C	D	E	F	G	H
D-300LV	475	220	38	100	150	100	55	25
D-600LV	860	410	60	200	300	165	93	40

Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy* (mm)	Depth Bar	Weight
151296	D-300LV	0-300	0.01	± 0.05	None	920g
151297	D-600LV	0-600	0.01	± 0.08	None	4.3kg

※ Quantization Error (± 1 digit) not included

* Accuracy specified for inner most portion of measuring jaw.

Instrument error may be slightly higher when using the tip of jaw for performing measurement.

LEFT HAND DIGITAL CALIPERS



CALIPERS

01

CALIPERS

CALIPERS

SCRIBING
CALIPERS

DEPTH
GAUGES

HEIGHT
GAUGES

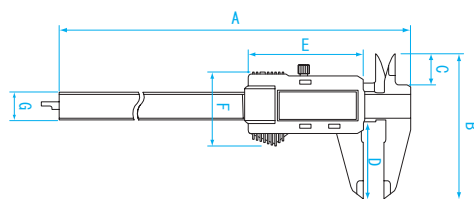
Digital calipers for left-hand use



D-150HL



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
D-150HL	236	76	16	40	61.5	37	16
D-200HL	286	90	19.5	50	61.5	37	16

- USE** • For outside diameter, inside diameter, step and depth measurement
- MATERIAL**
 - Stainless steel
- FEATURES**
 - Designed specially for left-handed use.
- POWER**
 - One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy *	Depth Bar	Weight
152021	D-150HL	0-150	0.01	± 0.03	Yes	150g
152022	D-200HL	0-200	0.01	± 0.03	Yes	190g

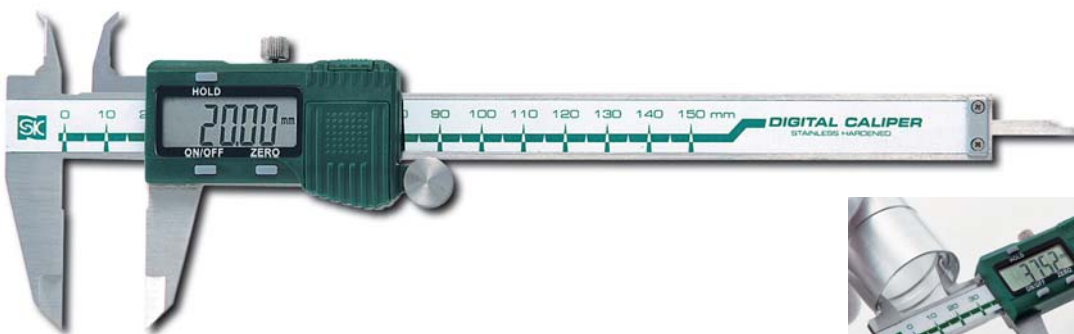
※ Quantization Error (± 1 digit) not included

DIGITAL CALIPERS with thin inside jaw



HEIGHT
GAUGES

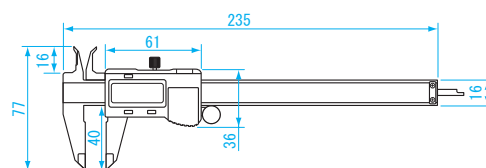
Can measure inner narrow groove



- USE** • For outside diameter, inside diameter, step and depth measurement
- MATERIAL**
 - Stainless steel
- FEATURES**
 - Ideal for narrow inner groove measurement
 - Hold function
- POWER**
 - One CR2032 (Lithium) battery included for testing

DIMENSIONS

Units : mm



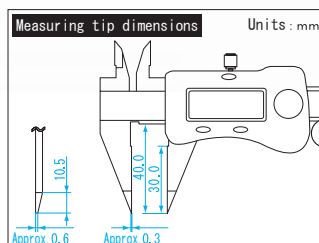
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy *	Depth Bar	Weight
151307	DS-150IR	0-150	0.01	± 0.03	Yes	150g

※ Quantization Error (± 1 digit) not included

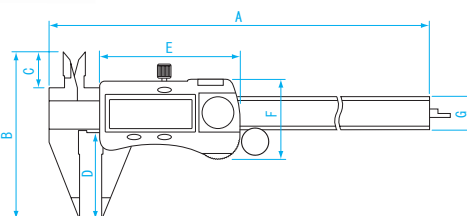
DIGITAL POINT CALIPERS



D-150P



DIMENSIONS



- USE**
- Outside diameter, inside diameter, step and depth measurement

FEATURES

- Narrow tip jaws fit into very small grooves and tracks, making it easier to obtain many difficult outside measurements
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) included for testing

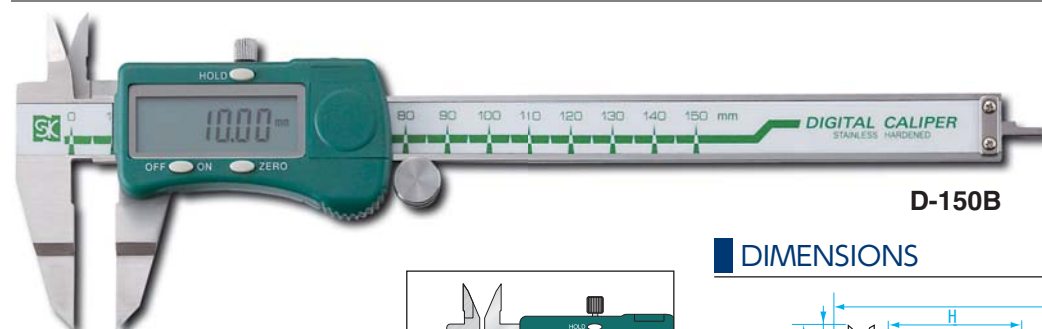
Units : mm

Model No.	A	B	C	D	E	F	G
D-150P	236	78	17.5	40	67	38	16
D-200P	286	89	20	50	67	38	16

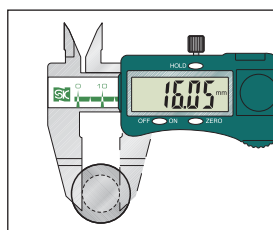
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151090	D-150P	0-150	0.01	± 0.03	Yes	170g
151089	D-200P	0-200	0.01	± 0.03	Yes	195g

※ Quantization Error (± 1 digit) not included

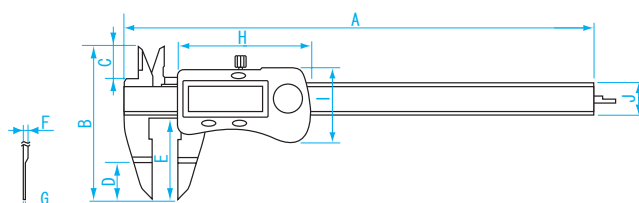
DIGITAL CALIPERS BLADE TYPE



D-150B



DIMENSIONS



[SIDE VIEW OF OUTSIDE MEASURING FACES]

Units : mm

Model No.	A	B	C	D	E	F	G	H	I	J
D-150B	236	77	16.5	18	40	3.2	0.75	67	38	16
D-200B	286	90	19.5	18	50	3.6	0.75	67	38	16

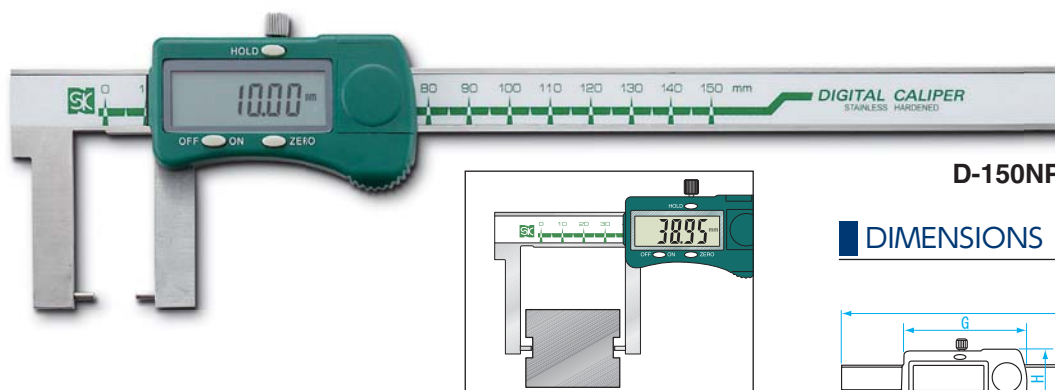
- USE**
- For measuring narrow groove

FEATURES

- Can obtain diameter of a narrow groove
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

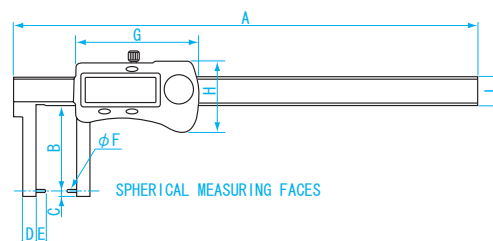
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151315	D-150B	0-150	0.01	± 0.03	Yes	150g
151316	D-200B	0-200	0.01	± 0.03	Yes	170g

※ Quantization Error (± 1 digit) not included



D-150NP

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G	H	I
D-150NP	250	40	3	10	5	2	67	38	16
D-200NP	300	50	3	12	8	2.5	67	38	16

USE • Outside groove measurement

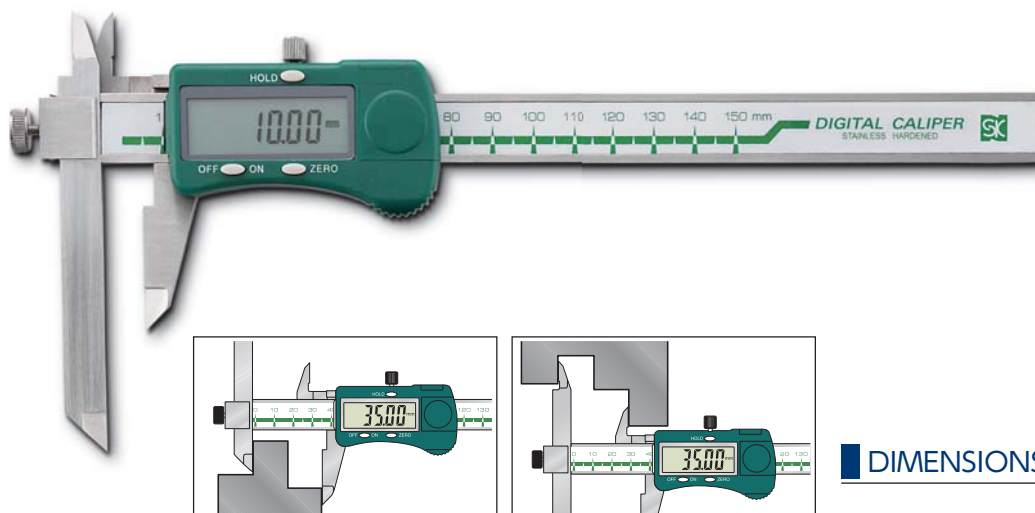
FEATURES

- Can measure the width of an outside groove
- Spherical measuring faces
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight	Note
151310	D-150NP	0-150	0.01	± 0.03	None	190g	Spherical measuring faces
151311	D-200NP	0-200	0.01	± 0.04	None	230g	Spherical measuring faces

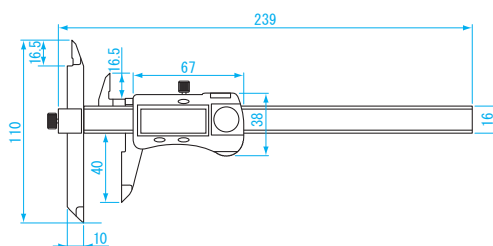
※ Quantization Error (± 1 digit) not included

DIGITAL OFFSET CALIPERS



DIMENSIONS

Units : mm



USE • Measurement of stepped sections

FEATURES

- Main scale jaw can be slide up and down
- Auto power off Function (After 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151325	D-150F	0-150	0.01	± 0.04	None	215g

※ Quantization Error (± 1 digit) not included

DIGITAL CENTERLINE CALIPERS WITH CONICAL POINTS



For measuring center distance between two holes



USE • For measuring center distance between two holes

MATERIAL

- Stainless steel

FEATURES

- Measurement between holes of $\phi 1.5 \sim 19.5\text{mm}$ are possible
- Cylindrical gauge heads provide stable measurement
- With master plate for origin setting
- Hold function
- Auto-display-off function (after 5 min.)

POWER

- One SR44 (Silver oxide) battery included for testing

ACCESSORIES

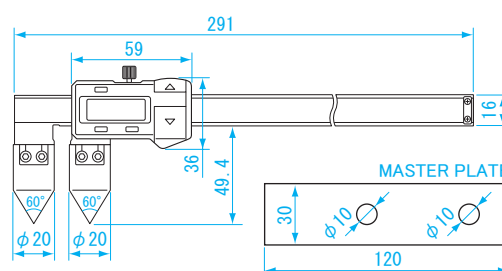
- Master plate for origin setting



Master plate for origin setting

DIMENSIONS

Units : mm



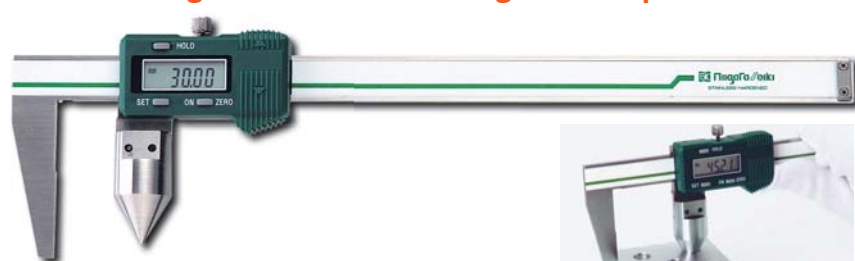
Order No.	Model No.	Measuring Range (mm)	Applicable hole diameter (mm)	Resolution (mm)	Accuracy [※] (mm)	Depth Bar	Weight
NEW 151108	D-200AA	20-200	$\phi 1.5 \sim 19.5$	0.01	± 0.05	None	270g

※ Quantization Error (± 1 digit) not included

DIGITAL CENTERLINE CALIPERS WITH CONICAL POINTS



For measuring distance from the edge of workpiece to center hole



USE • For measuring distance from the edge of workpiece to center hole

MATERIAL

- Stainless steel

FEATURES

- Measurement between holes of $\phi 1.5 \sim 19.5\text{mm}$ are possible
- Cylindrical gauge head (tapered) provides a stable measurement
- With master plate for origin setting
- Hold function
- Auto-display-off function(after 5 min.)

POWER

- One SR44 (Silver oxide) battery included for testing

ACCESSORIES

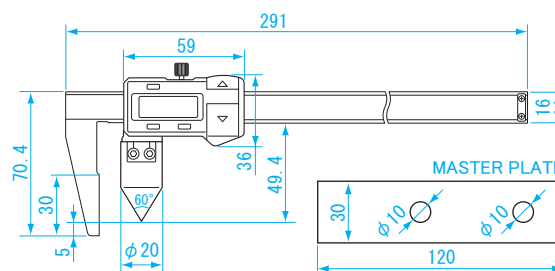
- Master plate for origin setting



Master plate for origin setting

DIMENSIONS

Units : mm



Order No.	Model No.	Measuring Range (mm)	Applicable hole diameter (mm)	Resolution (mm)	Accuracy [※] (mm)	Depth Bar	Weight
NEW 151109	D-200TA	10-200	$\phi 1.5 \sim 19.5$	0.01	± 0.05	None	230g

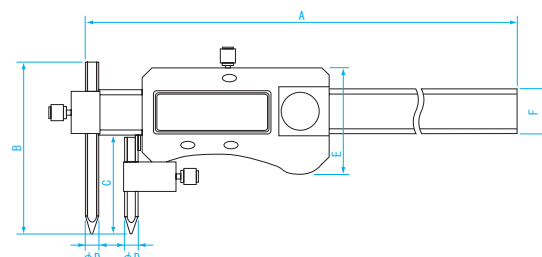
※ Quantization Error (± 1 digit) not included



D-150A2



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F
D-150A	241	60	35	5	38	16
D-150A2	241	100	62	10	38	16

USE

- For measuring center distance between two holes

FEATURES

- Adjustable main scale jaw facilitates measurement of holes on stepped surface
- Distance between a plane and a hole can be obtained
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Applied hole diameter	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151080	D-150A	5-150	1 ~ 5	0.01	± 0.05	None	190g
151081	D-150A2	10-150	1 ~ 10	0.01	± 0.05	None	200g

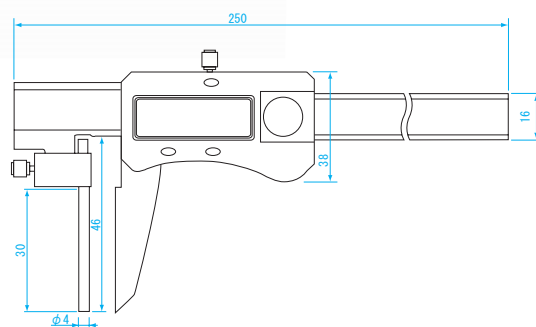
※ Quantization Error (± 1 digit) not included

DIGITAL TUBE THICKNESS TYPE CALIPERS



DIMENSIONS

Units : mm



USE

- For measurement of tube wall thickness

FEATURES

- Facilitate measurements of tube wall thickness
- The main scale jaw is a round bar
- Hold display function
- Auto power off function(after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151082	D-150T	0-150	0.01	± 0.05	None	210g

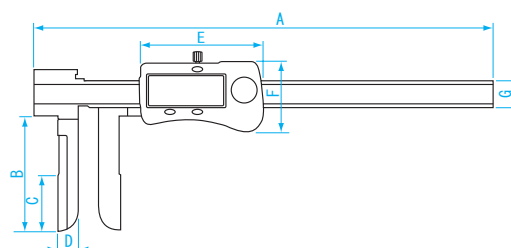
※ Quantization Error (± 1 digit) not included

DIGITAL INSIDE CALIPERS KNIFE-EDGE TYPE



D-150IK

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
D-150IK	250	60	30	12	67	38	16
D-200IK	305	75	35	14	67	38	16

USE • For inside measurement

FEATURES

- Long jaws facilitate measurement of the diameter of deep holes
- Hold display function
- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

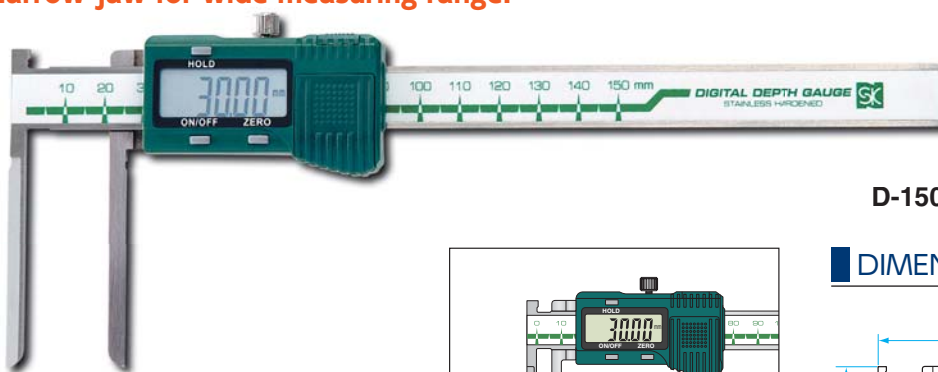
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Length of jaws	Depth Bar	Weight
151345	D-150IK	15-150	0.01	± 0.04	60mm	None	230g
151346	D-200IK	18-200	0.01	± 0.04	75mm	None	270g

※ Quantization Error (± 1 digit) not included

DIGITAL INSIDE CALIPERS KNIFE-EDGE, NARROW JAW TYPE

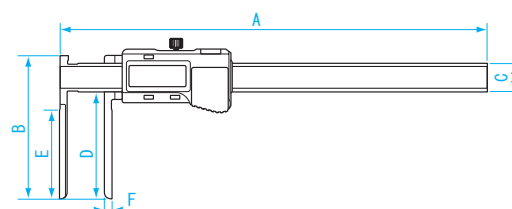


Narrow jaw for wide measuring range.



D-150IK2

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F
D-150IK2	235	80.5	16	60	50	4.5
D-200IK2	289	100	16	80	70	9.5

USE • For inside measurement

MATERIAL

- Stainless steel

FEATURES

- Thin jaws enable measurements in narrow spaces
- Hold function

POWER

- One CR2032 (Lithium) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Jaw Length	Depth Bar	Weight
NEW 151347	D-150IK2	5-150	0.01	± 0.05	60mm	None	175g
NEW 151348	D-200IK2	10-200	0.01	± 0.05	80mm	None	220g

※ Quantization Error (± 1 digit) not included

DIGITAL CALIPERS HOOK TYPE

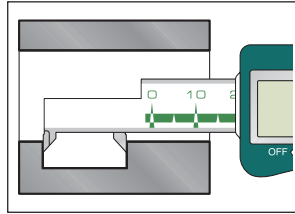


CALIPERS

Can measure the inside width and position of groove

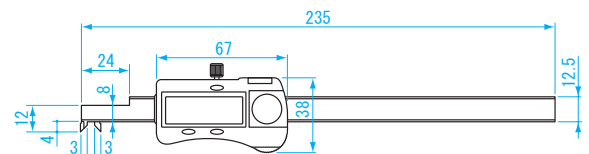


Enlarged picture of probes



DIMENSIONS

Units : mm



USE • Inside width and position of groove measurement

FEATURES

- Auto power off function (after 20 min.)
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight
151312	D-125H	4-125	0.01	± 0.03	None	130g

※ Quantization Error (± 1 digit) not included

DIGITAL INSIDE CALIPERS POINT JAW TYPE



01

CALIPERS

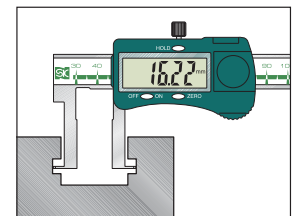
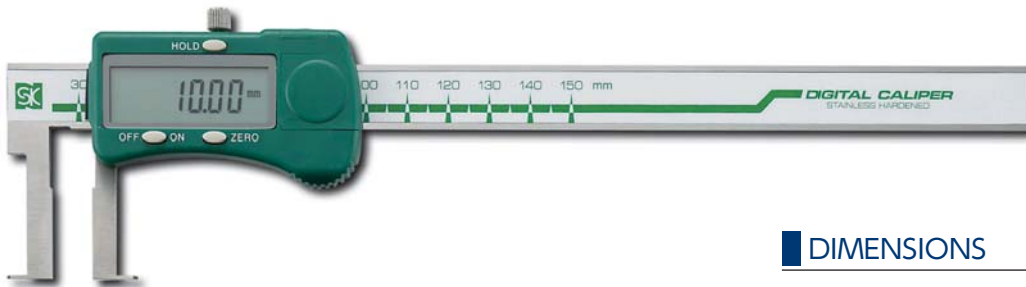
CALIPERS

SCRIBING
CALIPERS

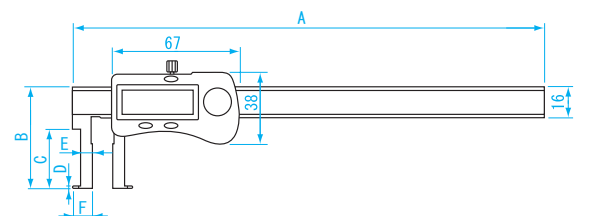
DEPTH
GAUGES

HEIGHT
GAUGES

Ideal for inside measurement of a special shapes



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F
D-150I	250	52	30	1	6	11
D-150I2	250	82	60	1.5	11.5	17.5

USE • For inside measurement
(Actual dimension is displayed value plus 22mm for D-150I, plus 35mm for D150I2)

MATERIAL

- Stainless steel

FEATURES

- Designed specially for inside measurement
- Hold function
- Auto-power-off function (after 20 min.)

POWER

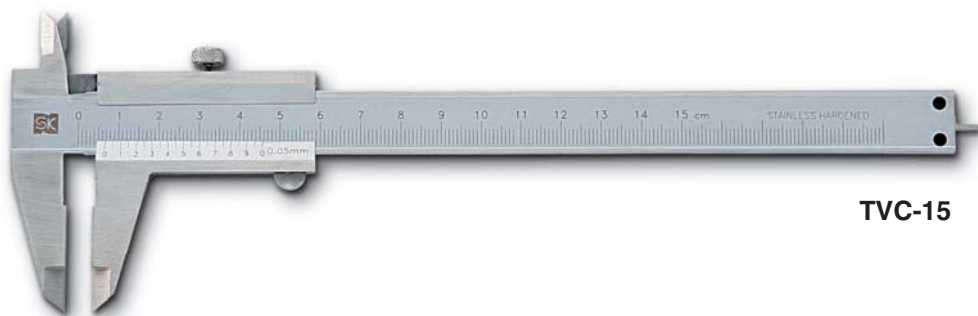
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Length of Jaws	Depth Bar	Weight
151340	D-150I	22-150	0.01	± 0.04	30mm	None	180g
NEW 151341	D-150I2	35-150	0.01	± 0.05	60mm	None	220g

※ Quantization Error (± 1 digit) not included

VERNIER CALIPERS (MONO-BLOCK)

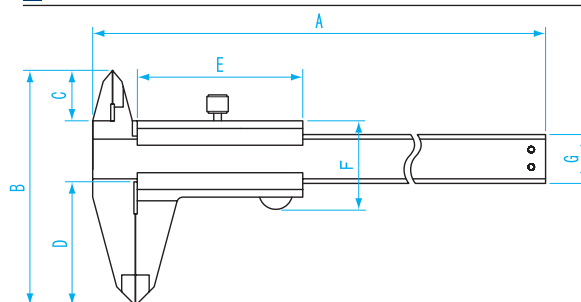
Basic plain design



TVC-15

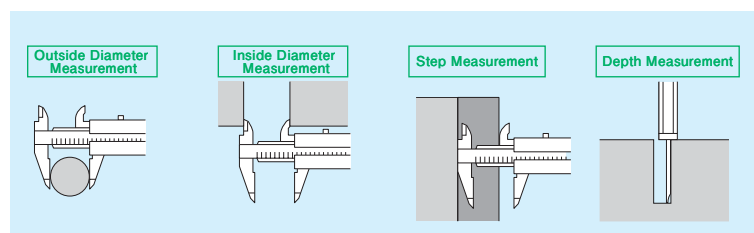

TVC-15CD (ϕ 1.9mm round depth bar)


DIMENSIONS



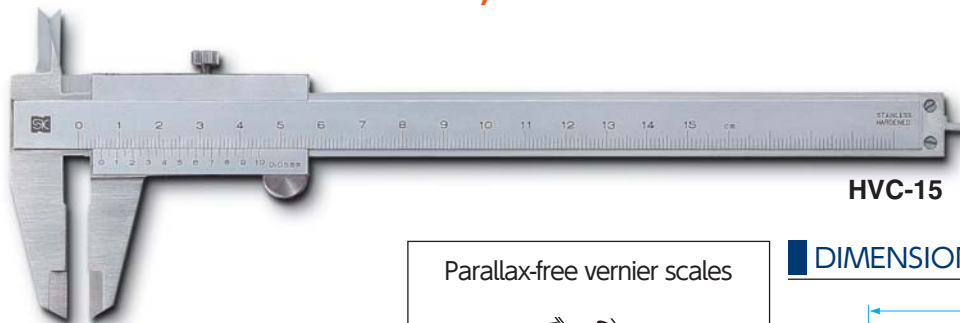
Units : mm

Model No.	A	B	C	D	E	F	G
TVC-10	178	76.5	16	40	54	30	16
TVC-15	235	76.5	16	40	54	30	16
TVC-20	290	85	17	46	54	30	16
TVC-30	415	107	23	59.5	60	35	18.5
TVC-60	770	168	37	100	92	45	24
TVC-100	1230	238	50	150	125	53	31
TVC-15CD	234	77	16	40	54	30	16



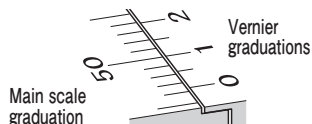
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight	Note
151091	TVC-10	100	0.05	± 0.05	Yes	130g	—
151092	TVC-15	150	0.05	± 0.05	Yes	150g	—
151093	TVC-20	200	0.05	± 0.05	Yes	190g	—
151094	TVC-30	300	0.05	± 0.08	Yes	350g	—
151095	TVC-60	600	0.05	± 0.10	None	1.2kg	—
151096	TVC-100	1000	0.05	± 0.15	None	3.5kg	—
151084	TVC-15CD	150	0.05	± 0.05	Yes	150g	with ϕ 1.9 round depth bar

Parallax-free vernier scales for easy and accurate measurement

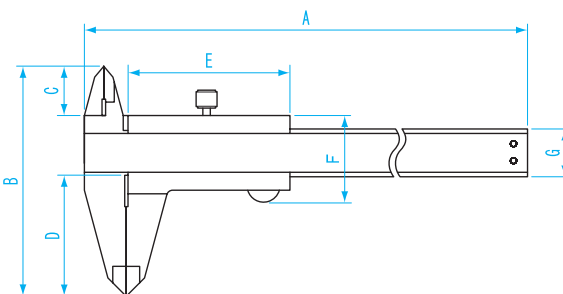


HVC-15

Parallax-free vernier scales



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
HVC-15	230	77	16.5	40	54	31	16
HVC-20	287	90	19.5	50	54	31	16

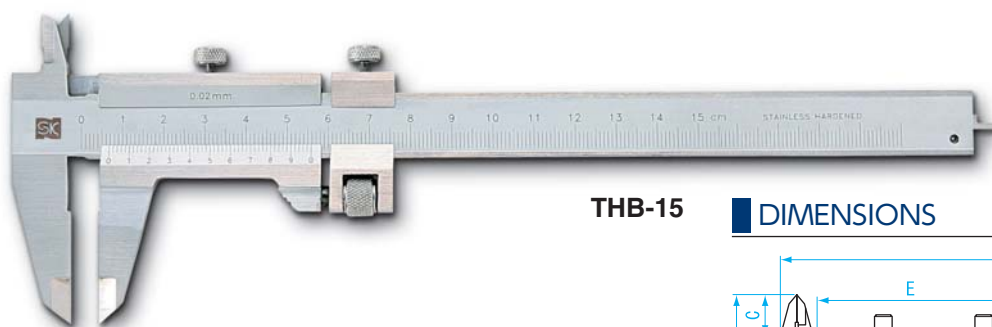
- USE**
- For outside diameter, inside diameter, step and depth measurement

FEATURES

- Made of stainless steel
- Satin finish

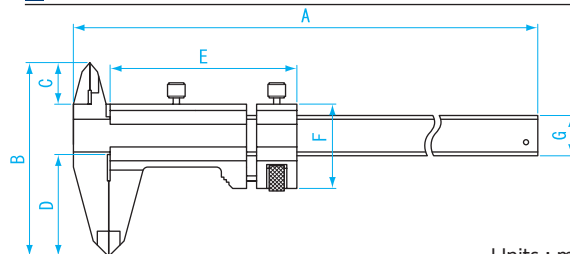
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight	Note
151801	HVC-15	150	0.05	± 0.05	Yes	160g	Parallax-free vernier scales
151802	HVC-20	200	0.05	± 0.05	Yes	200g	Parallax-free vernier scales

VERNIER CALIPERS WITH FINE ADJUSTMENT



THB-15

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
THB-15	234	76	15.5	40	72	32	16
THB-20	300	90	20	50	72	32	16
THB-30	412	100	20	55.5	81	37	18

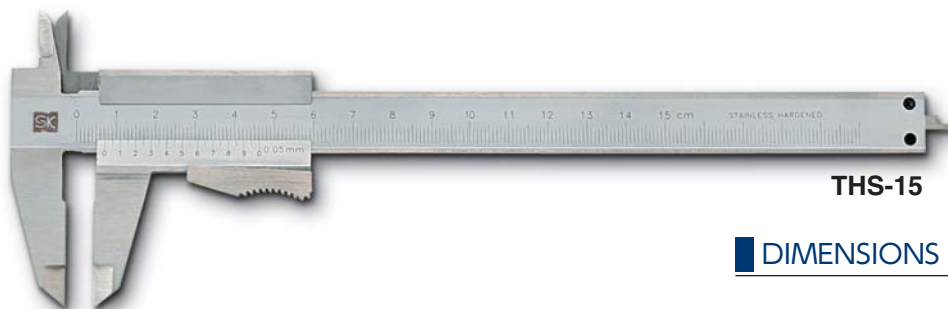
- USE**
- For outside diameter, inside diameter, step and depth measurement

FEATURES

- Provided with a fine-adjustment carriage to feed the slider finely
- With depth bar
- Made of stainless steel
- Satin finish

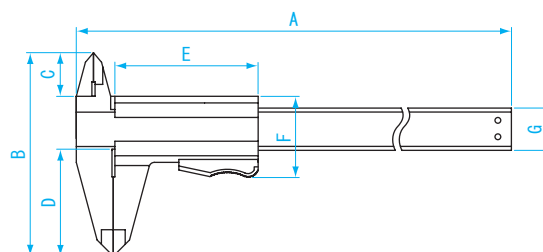
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight
151301	THB-15	130	0.02	± 0.05	Yes	170g
151302	THB-20	180	0.02	± 0.05	Yes	210g
151303	THB-30	280	0.02	± 0.08	Yes	420g

VERNIER CALIPERS WITH THUMB CLAMP



THS-15

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G
THS-15	234	76	15.5	39	54	31	16
THS-20	300	90	20	50	54	31	16

USE • For outside diameter, inside diameter, step and depth measurement

FEATURES

- The slider moves only when the thumb clamp is depressed
- Made of stainless steel
- Satin finish

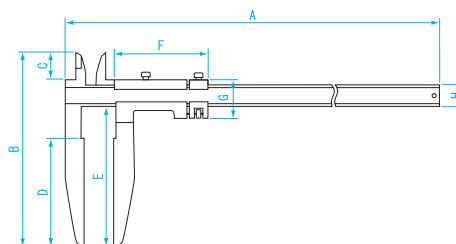
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight
151371	THS-15	150	0.05	± 0.05	Yes	150g
151372	THS-20	200	0.05	± 0.05	Yes	180g

LONG JAW VERNIER CALIPERS



LVC-30

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G	H
LVC-30	464	238	35	130	170	115	50	25
LVC-60	808	406	45	180	320	140	60	32

USE • Outside diameter and inside diameter measurement

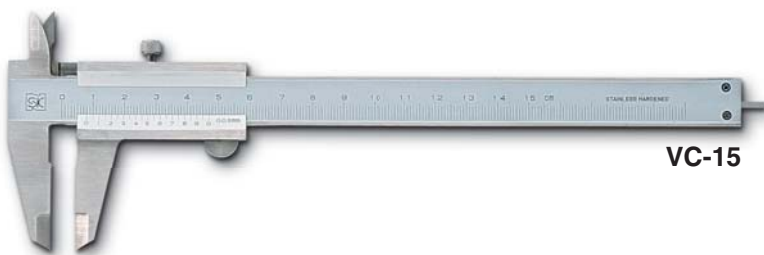
FEATURES

- Long jaws for measuring hard-to-reach features
- Made of stainless steel

Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy*	Depth Bar	Weight
151813	LVC-30	300	0.05	± 0.08	None	1.1kg
151814	LVC-60	600	0.05	± 0.10	None	3.1kg

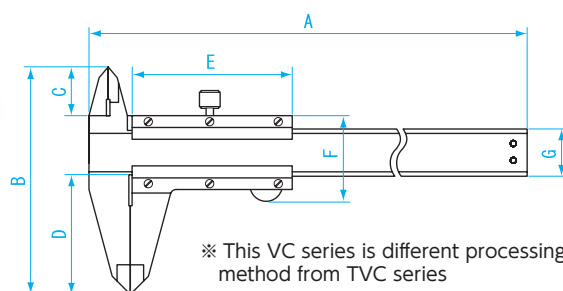
* Accuracy specified for inner most portion of measuring jaw. Instrument error may be slightly higher when using the tip of jaw for performing measurement.

High performance at reasonable price



VC-15

DIMENSIONS



USE • For outside diameter, inside diameter, step and depth measurement

FEATURES

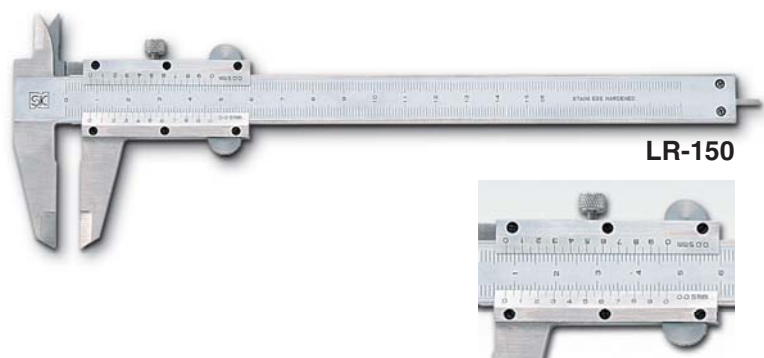
- Standard, reasonable type
- Integrated vernier type (VC-15, VC-20)
- Vernier screw stop type (VC-10, VC-30)
- Made of stainless steel
- Satin finish

Units : mm

Model No.	A	B	C	D	E	F	G
VC-10	160	60	14.5	30	42	23.5	12
VC-15	235	77	16.5	40	54	30	16
VC-20	300	90	19.5	50	54	30	16
VC-30	410	100	21.2	55	59	35	18.5

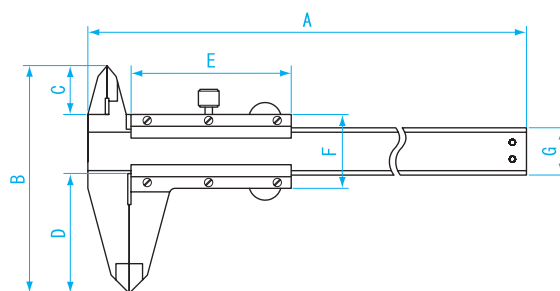
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight
151031	VC-10	100	0.05	± 0.05	Yes	100g
151032	VC-15	150	0.05	± 0.05	Yes	150g
151033	VC-20	200	0.05	± 0.05	Yes	180g
151034	VC-30	300	0.05	± 0.08	Yes	350g

LR TYPE VERNIER CALIPERS



LR-150

DIMENSIONS



Right Hand Use



Reverse Side Scale

USE • For outside diameter, inside diameter, step and depth measurement

FEATURES

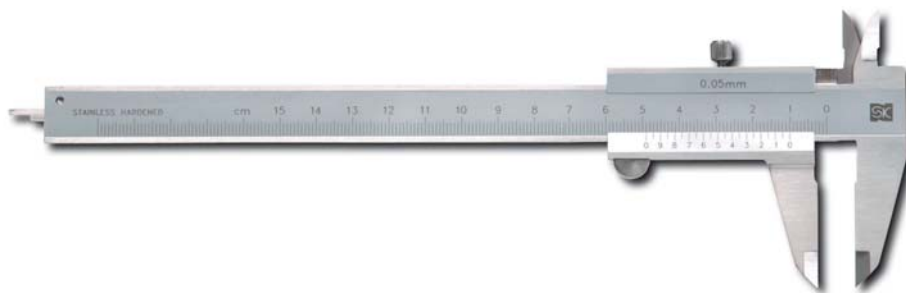
- Dual thumb grip for use with either hand
- Made of stainless steel
- Satin finish

Units : mm

Model No.	A	B	C	D	E	F	G
LR-100	160	60	14	30	42	20	12
LR-150	235	77	16	40	54	25	16
LR-200	300	90	20	50	54	25	16

Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight
151331	LR-100	100	0.05	± 0.05	Yes	70g
151332	LR-150	150	0.05	± 0.05	Yes	150g
151333	LR-200	200	0.05	± 0.05	Yes	180g

LEFT-HAND VERNIER CALIPERS



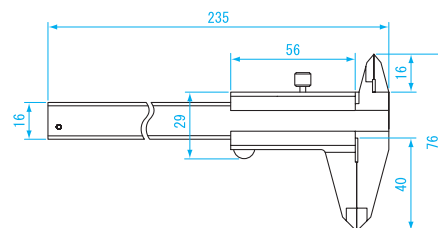
DIMENSIONS

Units : mm

- USE** • For outside diameter, inside diameter, step and depth measurement

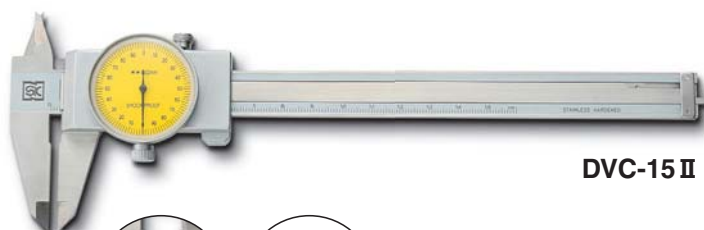
FEATURES

- Designed specially for left-handed use
- Made of stainless steel
- Satin finish



Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Weight
151321	THL-150	150	0.05	± 0.05	Yes	150g

DIAL CALIPERS/ DIAL CALIPERS WITH CARBIDE TIPPED MEASURING FACE

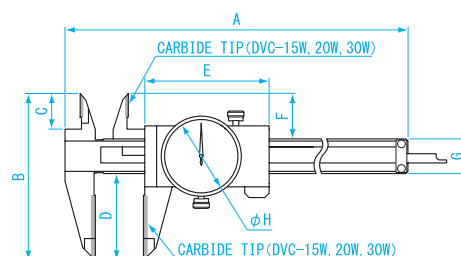


DVC-15 II



DVC-15W, DVC-20W, DVC-30W are carbide-tipped for outside & inside measurement

DIMENSIONS



Units : mm

- USE** • For outside diameter, inside diameter, step and depth measurement

FEATURES

- Slider displacement is amplified by rack-and-pinion mechanism and indicated on the dial
- Available with carbide-tipped measuring faces(DVC-15W ~ 30W)
- Made of stainless steel
- Satin finish

Model No.	A	B	C	D	E	F	G	H
DVC-15 II	236	77	16	40	58	21	16	38
DVC-20 II	285	90	19	50	59	24	16	38
DVC-30 II	400	103	18	60	59	25	17	45
DVC-15W	236	77	16	40	58	21	16	38
DVC-20W	285	90	19	50	59	24	16	38
DVC-30W	400	103	18	60	59	25	17	45

Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Depth Bar	Indicator 1 revolution (mm)	Weight	Note
151351	DVC-15 II	150	0.02	± 0.03	Yes	2	200g	—
151352	DVC-20 II	200	0.02	± 0.03	Yes	2	240g	—
151353	DVC-30 II	300	0.02	± 0.04	Yes	2	360g	—
151361	DVC-15W	150	0.02	± 0.03	Yes	2	200g	Carbide-tipped measuring faces
151362	DVC-20W	200	0.02	± 0.03	Yes	2	240g	Carbide-tipped measuring faces
151363	DVC-30W	300	0.02	± 0.04	Yes	2	370g	Carbide-tipped measuring faces

DIGITAL SCRIBING CALIPERS



CALIPERS

01

CALIPERS

CALIPERS

SCRIBING
CALIPERS

DEPTH
GAUGES

HEIGHT
GAUGES



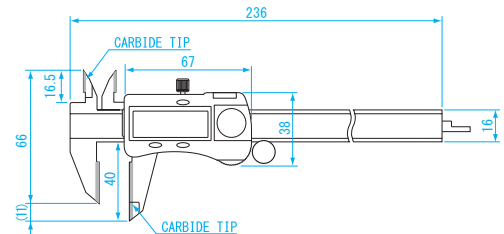
- USE**
- Outside diameter, inside diameter, step and depth measurement, and also scribing

FEATURES

- Measuring and accurate marking work can be performed with this caliper
- Made of stainless steel
- Auto power off function(after 20 min.)
- Carbide-tipped measuring faces
- One SR44 (Silver oxide) battery included for testing

DIMENSIONS

Units : mm



Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Depth Bar	Weight	Note
152005	D-150S	0-150	0.01	± 0.03	Yes	160g	Carbide tipped measuring faces

※ Quantization Error (± 1 digit) not included

DIGITAL SCRIBING CALIPERS

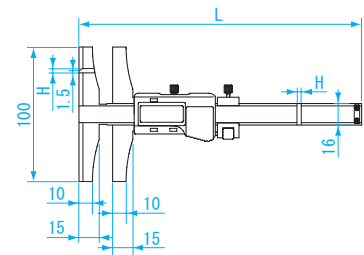


Enables stable and high-accuracy scribing work



D-150ST

DIMENSIONS



Units : mm

Model No.	H	L
D-150ST	3.2	260
D-300ST	4	415

- USE**
- Measures distance from caliper base to scribe edge

MATERIAL

- Stainless steel

FEATURES

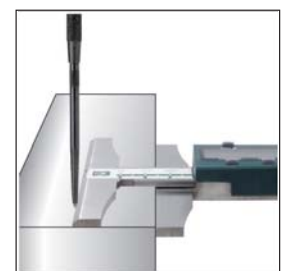
- Digital Display for easy reading and precise scribing work
- Hold Function

POWER

- One CR2032 (Lithium) battery included for testing

ACCESSORIES

- Carbide tip scriber SC-P



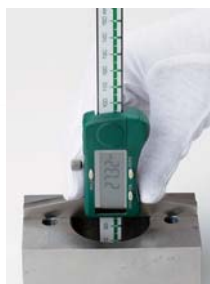
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Weight
NEW 151277	D-150ST	0-150	0.01	± 0.07	240g
NEW 151278	D-300ST	0-300	0.01	± 0.08	330g

※ Quantization Error (± 1 digit) not included

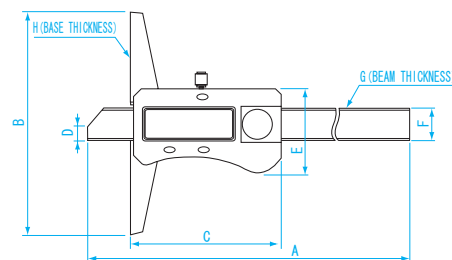
DIGITAL DEPTH GAUGES



D-150D



DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G	H
D-150D	230	100	69	6	38	14.5	4	7
D-200D	280	100	69	6	38	14.5	4	7
D-300D	380	100	69	6	38	14.5	4	7

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Weight
151067	D-150D	0-150	0.01	± 0.03	200g
151068	D-200D	0-200	0.01	± 0.03	220g
151079	D-300D	0-300	0.01	± 0.04	260g

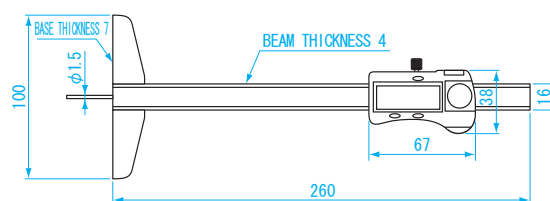
※ Quantization Error (± 1 digit) not included

DIGITAL DEPTH GAUGES



DIMENSIONS

Units : mm



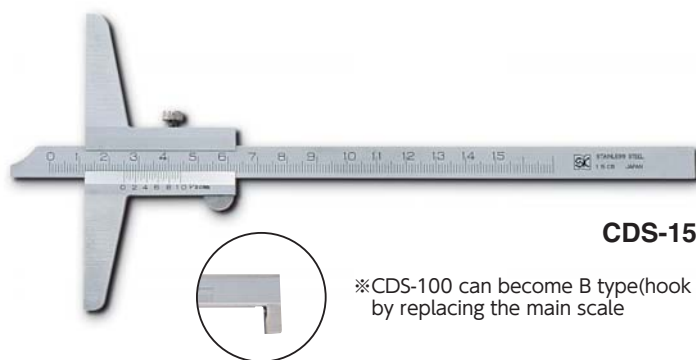
USE • For measuring the depth of narrow grooves and small holes etc.

FEATURES

- Auto power off function (after 20 min.)
- Probe diameter : $\phi 1.5$ mm
- Made of stainless steel
- One SR44 (Silver oxide) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Weight
151083	D-150DCD	0-150	0.01	± 0.04	240g

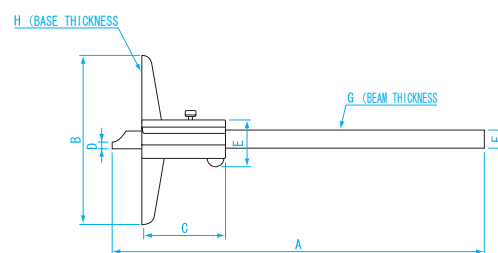
※ Quantization Error (± 1 digit) not included



CDS-15

※CDS-100 can become B type(hook type)
by replacing the main scale

DIMENSIONS



Units : mm

Model No.	A	B	C	D	E	F	G	H
CDS-15	231	100	51	4	27.5	10.5	2.8	6.1
CDS-20	280	100	51	4	27.5	10.5	2.8	6.1
CDS-30	380	150	47.5	5	30	13	2.8	6.1
CDS-50	590	250	80	10	36	20	5	13.5
CDS-60	690	250	80	10	36	20	5	13.5
CDS-100	1100	250	80	10	36	20	5	13.5

USE • For measuring depth

FEATURES

- Fully hardened measuring faces
- Made of stainless steel(Satin finish)

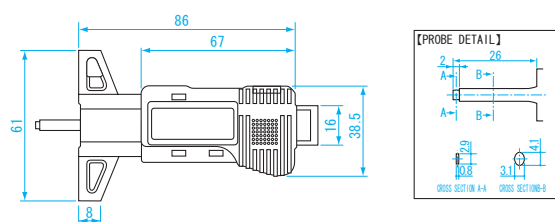
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Weight
007711	CDS-15	150	0.05	± 0.08	125g
007712	CDS-20	200	0.05	± 0.08	140g
007713	CDS-30	300	0.05	± 0.10	220g
007714	CDS-50	500	0.05	± 0.10	3kg
007715	CDS-60	600	0.05	± 0.12	3kg
007716	CDS-100	1000	0.05	± 0.15	4kg

DIGITAL MINI DEPTH GAUGES



DIMENSIONS

Units : mm



USE • For measuring depth

FEATURES

- With hold display function
- Auto display off function (after 5 min.)
- One CR2032 (Lithium) battery included for testing

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Weight
151195	DMD-25G	0-25	0.1	± 0.2	40g

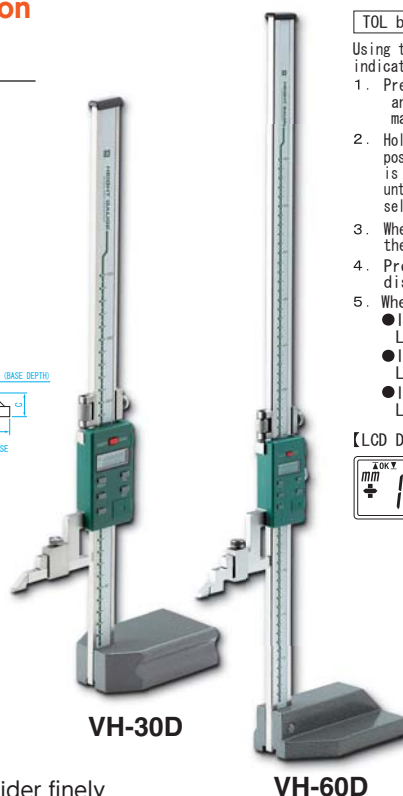
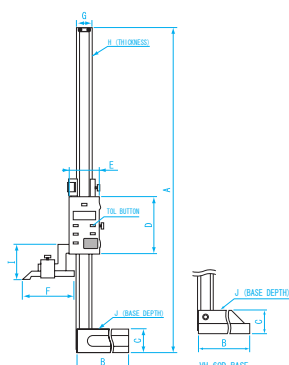
※ Quantization Error (± 1 digit) not included

DIGITAL HEIGHT GAUGES

Tolerance setting function for inspection



DIMENSIONS

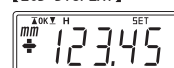


TOL button (setting tolerance)

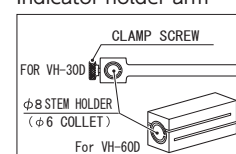
Using the [TOL] button we can easily set tolerances to indicate if a measurement is within a specified range.

1. Press the [TOL] button until "SET" blinks on display, and the "▲" symbol is displayed. In this state the maximum tolerance can be specified.
2. Holding down the [TOL] button will change the blinking position. Release [TOL] button when number to change is blinking, press again to change number +/- . Repeat until desired value is displayed. When the value is set, select [SET] and press the [TOL] button to save setting.
3. When "▼" is displayed, use the same procedure to set the minimum tolerance level.
4. Press "TOL" button to return to blinking "SET" on display. Tolerance is now set.
5. When taking a measurement:
 - If the value is within the measurement tolerance, LCD will display "OK".
 - If the value is above the measurement tolerance, LCD will display "▲".
 - If the value is below the measurement tolerance, LCD will display "▼".

[LCD DISPLAY]



Indicator holder arm



USE • Measuring height of small workpiece

FEATURES

- Carbide tipped scriber for fine scribing on workpiece
- Vernier: Stainless steel
- Base: Cast iron
- Zero-setting at any position
- Hold display function
- Fine adjustment carriage to feed the slider finely
- One SR44 (Silver oxide) battery included for testing

ACCESSORIES

- Indicator holder arm
- Scriber clamp
- Scriber
- $\phi 6$ collet

Model No.	A	B	C	D	E	F	G	H	I	J
VH-30D	455	110	32	80	45	75	23	6	54	65
VH-60D	810	161	52	95	50	102	31	10.5	76	120

Units : mm

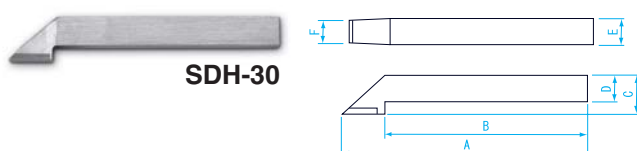
Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Scale Adjustment (mm)	Weight
151210	VH-30D	300	0.01	± 0.04	8	2.6kg
151211	VH-60D	600	0.01	± 0.06	8	5kg

* Quantization Error (± 1 digit) not included

CARBIDE TIPPED SCRIBERS



DIMENSIONS



USE

- For use as a dedicated scriber on digital height gauge

MATERIAL

- Carbide tipped

Units : mm

Model No.	A	B	C	D	E	F
SDH-30	75	63	11.7	8	6	5.3
SDH-60	102	70	25	12	10	9

Order No.	Model No.	Applicable Height Gauge	Weight
151215	SDH-30	VH-30D	30g
151216	SDH-60	VH-60D	100g

INDICATOR HOLDER ARMS



USE

- For mounting dial indicator on digital height gauge

MATERIAL

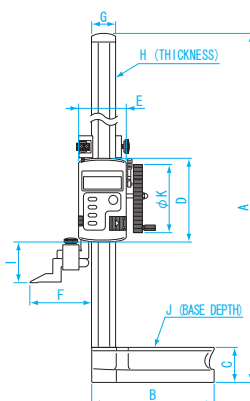
- Stainless steel

Order No.	Model No.	Applicable Height Gauge	Weight
151217	ADH-30	VH-30D	35g
151218	ADH-60	VH-60D	20g

Handle for smooth sliding operation. Provided dial indicator



DIMENSIONS



USE • Measuring height of small workpiece

FEATURES

- Carbide tipped scriber for fine scribing on workpiece
- Vernier: Stainless steel
- Base: Cast iron
- Zero-setting at any position
- Fine adjustment carriage to feed the slider finely
- One SR44 (Silver oxide) battery included for testing

ACCESSORIES

- Dial indicator(TI-8038)
- Indicator holder arm
- Scriber

※ For use with dial indicator, dial indicator holder arm and dial indicator required. Maximum error may larger



TI-8038



VHS-30D



VHS-60D

Accessories(dial indicator)

Units : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K
VHS-30D	535	172	51.5	114	66.5	82	35	15	11.9	33.5	116
VHS-60D	837	178	53.5	114	66.5	82	35	15	11.9	33.5	140

Order No.	Model No.	Measuring Range (mm)	Resolution (mm)	Accuracy* (mm)	Scale Adjustment (mm)	Weight
151212	VHS-30D	300	0.01	± 0.04	10	6.4kg
151213	VHS-60D	600	0.01	± 0.05	10	7.5kg

※ Quantization Error (± 1 digit) not included

SCRIBER for VHS series Height Gauge

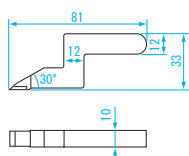


INDICATOR HOLDER for VHS series Height Gauge



DIMENSIONS

Units : mm



USE

- For use as a dedicated scriber on digital height gauge

MATERIAL

- Carbide tipped

Order No.	Model No.	Applicable Model No.	Weight
NEW 151208	VHS-S	VHS-30D VHS-60D	85g

USE

- For mounting dial indicator on digital height gauge

MATERIAL

- Stainless steel

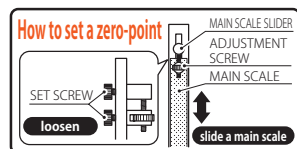
Order No.	Model No.	Applicable Model No.	Weight
NEW 151209	VHS-T	VHS-30D VHS-60D	80g

VERNIER HEIGHT GAUGE

Easy zero point adjustment function makes for easy long-term use



Magnifier lens for main scale (VHK-15)



USE • Measuring or scribing the height of small workpiece

MATERIAL

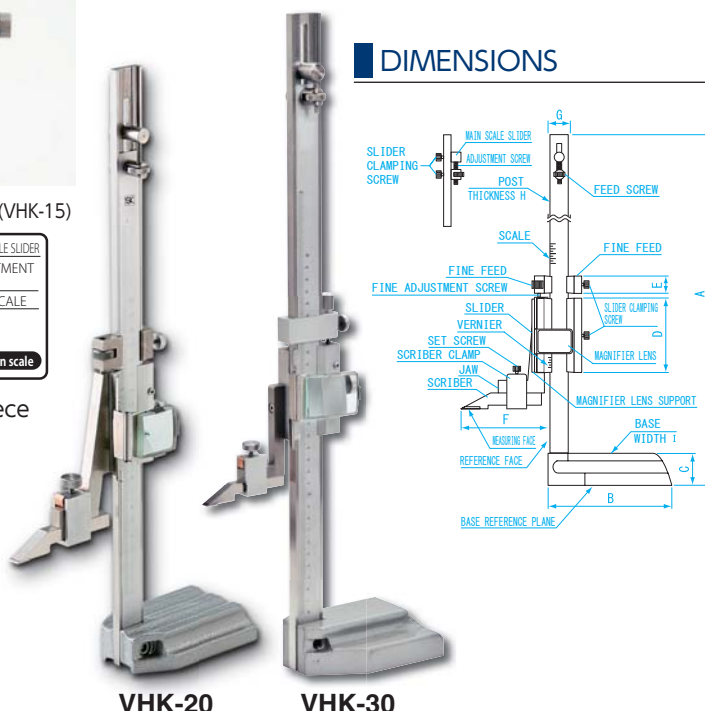
- Main Scale & Vernier : Stainless steel
- Base : Cast iron
- Scriber : Carbide tipped

FEATURES

- Main scale slider enables easier adjustment
- Easy reading with magnifier lens(x3)
- Fine adjustment carriage to feed the slider finely
- With carbide tipped scriber
- Attached holder to hole dial indicator
- Made of stainless steel and easy to care anti-rust treatment

ACCESSORIES

- Dial indicator holder
- Scriber
- Magnifier lens for main scale



VHK-20

VHK-30

Units : mm

Model No.	A	B	C	D	E	F	G	H	I
VHK-15	341	103	28	67	20	77	22	6	60
VHK-20	391	103	28	67	20	77	22	6	60
VHK-30	540	125	40	75	20	77	28	9	86

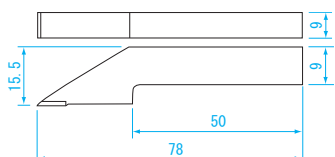
Order No.	Model No.	Measuring Range (mm)	Graduation (mm)	Accuracy (mm)	Slider Fine Feed (mm)	Scale Adjustment (mm)	Weight
151271	VHK-15	150	0.05	± 0.05	8	10	1.6kg
151272	VHK-20	200	0.05	± 0.05	8	10	1.7kg
151273	VHK-30	300	0.02	± 0.04	8	10	3.08kg

CARBIDE TIPPED SCRIBERS



DIMENSIONS

Units : mm



USE • For Use as a dedicated scriber on standard height gauge

FEATURES • Carbide tipped

Order No.	Model No.	Applicable Height Gauge	Weight
151043	SVH-1520	VHK-15 VHK-20 VHK-30	45g

INDICATOR HOLDER ARM



USE • For mounting dial indicator on standard height gauge

FEATURES • Steel

Order No.	Model No.	Applicable Height Gauge	Weight
151275	TVH-1520	VHK-15 VHK-20 VHK-30	70g