

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

IP65 WATERPROOF

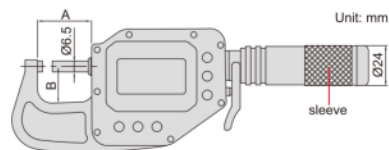
MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

NON-ROTATING SPINDLE

DATA OUTPUT

- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.0001" 0.001mm/0.0005" 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
- Customizable measuring force range 2-12N
- Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



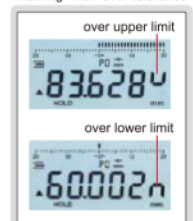
With data interface

Optional accessory:
wireless transmitter, code 7315-3350,
data output cable (keyboard format), code 7302-3350

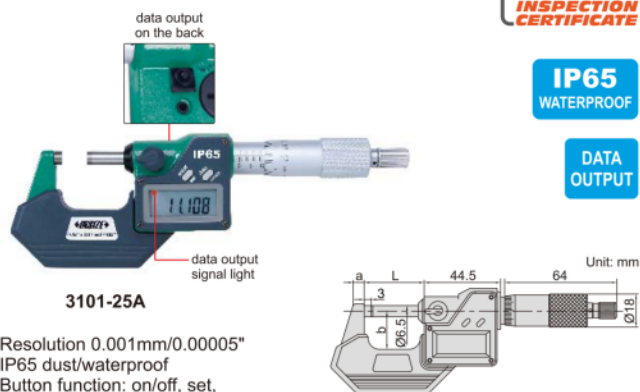
Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				Flatness	Parallelism		
3350-25*	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38mm	24mm
3350-50*	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63mm	28mm
3350-75*	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88mm	45mm
3350-100*	75-100mm/3-3.95"	2µm	1µm	0.5µm	1µm	113mm	57mm

*Supplied with manufacturer inspection certificate

warning when over tolerance

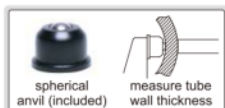


WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)



3101-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

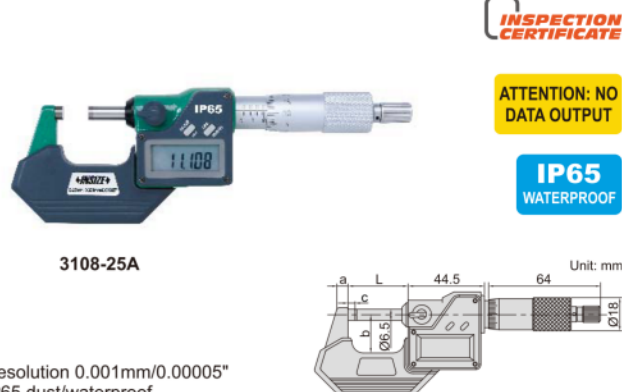


(mm)

Code	Range	Accuracy	L	a	b
3101-25A*	0-25mm/0-1"	±2µm	34.5	6	25
3101-50A*	25-50mm/1-2"	±2µm	59.5	8	32
3101-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5
3101-100A*	75-100mm/3-4"	±3µm	109.5	8	57
3101-125A	100-125mm/4-5"	±3µm	135	10	70
3101-150A	125-150mm/5-6"	±3µm	160.5	10	82

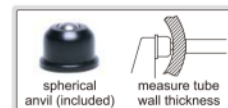
*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)



3108-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



(mm)

Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3

*Supplied with manufacturer inspection certificate

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

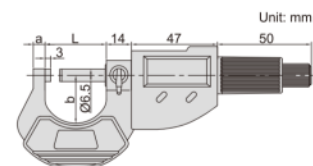
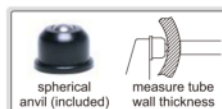
INSPECTION CERTIFICATE

ATTENTION: NO DATA OUTPUT



3109-25A

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



(mm)

Code	Range	Accuracy	L	a	b
3109-25A*	0-25mm/0-1"	±2µm	32	6	27.5
3109-50A*	25-50mm/1-2"	±2µm	57	8	37
3109-75A*	50-75mm/2-3"	±3µm	82	8	50
3109-100A*	75-100mm/3-4"	±3µm	107	10	61
3109-125A	100-125mm/4-5"	±3µm	132	10	73
3109-150A	125-150mm/5-6"	±3µm	157	10	85

*Supplied with manufacturer inspection certificate

DIGITAL VERTICAL MICROMETER

INSPECTION CERTIFICATE

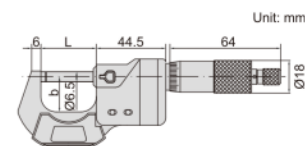
DATA OUTPUT

IP65 WATERPROOF

- Measure the thickness of plates for easy reading
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Carbide spindle tip
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)



3565-25A

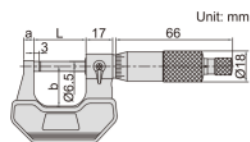


Unit: mm

Code	Range	Accuracy	L	b
3565-25A*	0-25mm/0-1"	±2µm	34.5mm	25mm

*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS



3202-25A

- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

Individual			(mm)		
Code	Range	Accuracy	L	a	b
3202-25A*	0-25mm	4µm	32	6	24
3202-50A*	25-50mm	4µm	57	8	32
3202-75A*	50-75mm	5µm	82	8	45
3202-100A*	75-100mm	5µm	107	8	57

Set

Code	Range	Micrometers included
3202-1004A*	0-100mm	3202-25A, 3202-50A, 3202-75A, 3202-100A
3202-1506A	0-150mm	3202-25A, 3202-50A, 3202-75A, 3202-100A, 3202-125A, 3202-150A

*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS



3203-50A



3203-25A



3203-1004A

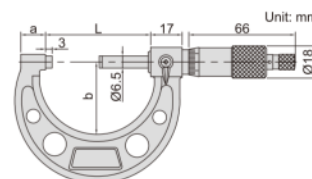


3203-3006A

Individual (mm)

Code	Range	Accuracy	L	a	b
3203-25A*	0-25mm	±2µm	32	9	28
3203-50A*	25-50mm	±2µm	57	14	38
3203-75A*	50-75mm	±2µm	82	15	49
3203-100A*	75-100mm	±3µm	107	15	60
3203-125A	100-125mm	±3µm	133	16.5	73
3203-150A	125-150mm	±3µm	158	16.5	85
3203-175A	150-175mm	±4µm	183	19.4	104
3203-200A	175-200mm	±4µm	209	19.4	117
3203-225A	200-225mm	±4µm	234	19.4	130
3203-250A	225-250mm	±5µm	260	19.4	142
3203-275A	250-275mm	±5µm	285	19.4	155
3203-300A	275-300mm	±5µm	310	19.4	168

- Graduation: metric 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm and 0-1")



Set

Code	Range	Micrometers included	Packaging
3203-1004A*	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A	blow mould case
3203-1506A	0-150mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A	blow mould case
3203-3006A	150-300mm	3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A	aluminum box

*Supplied with manufacturer inspection certificate

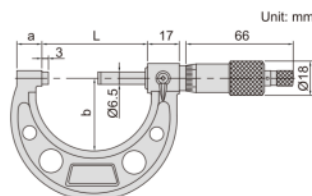
1µm GRADUATION OUTSIDE MICROMETERS



- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3210-25A



Individual (mm)

Code	Range	Accuracy	L	a	b
3210-25A*	0-25mm	4µm	32	9	28
3210-50A*	25-50mm	4µm	57	14	38
3210-75A*	50-75mm	5µm	82	15	49
3210-100A*	75-100mm	5µm	107	15	60

Set

Code	Range	Micrometers included
3210-1004A*	0-100mm	3210-25A, 3210-50A, 3210-75A, 3210-100A
3210-1506A	0-150mm	3210-25A, 3210-50A, 3210-75A, 3210-100A, 3210-125A, 3210-150A

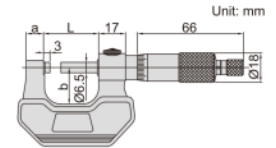
*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETER FOR LEFT OR RIGHT HANDERS

- Graduation 0.01mm
- Graduations on two sides
- Ratchet stop
- Carbide measuring faces
- Meet DIN863-1



3236-25B



(mm)

Code	Range	Accuracy	L	a	b
3236-25B	0-25mm	4µm	32	6	24

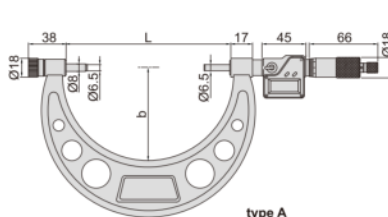
DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

IP65
WATERPROOF

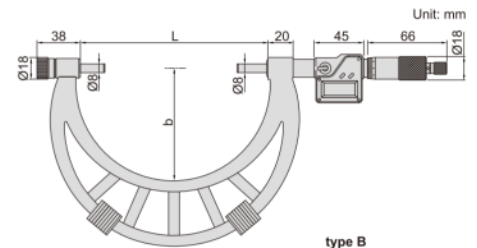
DATA
OUTPUT



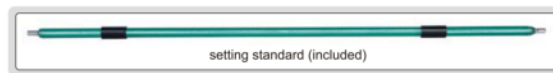
3506-400A



type A



type B



- Resolution 0.001mm/0.0001"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



interchangeable anvils (included) for different measuring ranges

Code	Range	Type	Accuracy	L	b	Setting standard (included)
3506-300A	150-300mm/6-12"	A	±8µm	305	165	150, 175, 200, 225, 250, 275
3506-400A	300-400mm/12-16"	B	±9µm	405	224	325, 375
3506-500A	400-500mm/16-20"	B	±11µm	505	275	425, 475

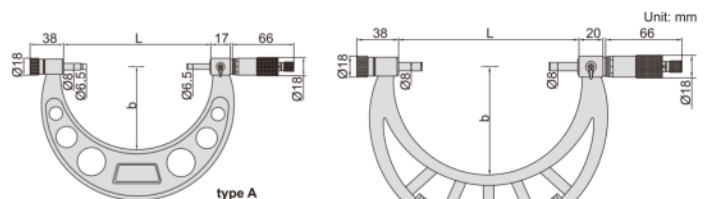
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



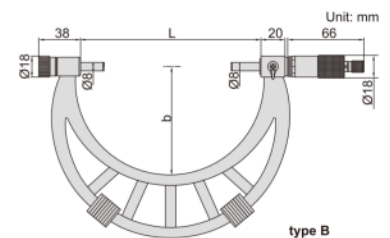
3206-400



3206-150A



type A



type B



- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards

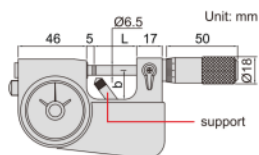


interchangeable anvils (included) for different measuring ranges

Code	Range	Type	Accuracy	L	b	Setting standard (included)
3206-150A	0-150mm	A	6µm	158	82	25, 50, 75, 100, 125
3206-200A	100-200mm	A	7µm	208	114	100, 125, 150, 175
3206-300A	150-300mm	A	9µm	308	165	150, 175, 200, 225, 250, 275
3206-301A	200-300mm	A	9µm	308	165	200, 225, 250, 275
3206-400	300-400mm	B	11µm	409	224	325, 375
3206-500	400-500mm	B	13µm	509	275	425, 475
3206-600	500-600mm	B	14µm	609	321	525, 575

INDICATING MICROMETERS

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



3332-25

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ± 0.04 mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting

(mm)

Code	Micrometer head range	Micrometer head accuracy	L	b	Remark
3332-25	0-25mm	4 μ m	28.5	19	with support
3332-50	25-50mm	4 μ m	53.5	30	with support
3332-75	50-75mm	5 μ m	78.5	45	without support
3332-100	75-100mm	5 μ m	103.5	57	without support

MICROMETER WITH DIAL INDICATOR

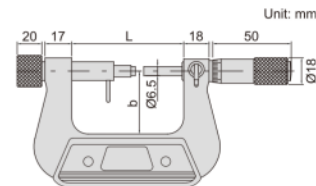
ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



digital indicator is optional

3331-25A

- Meet DIN863-3
- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Carbide measuring faces
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



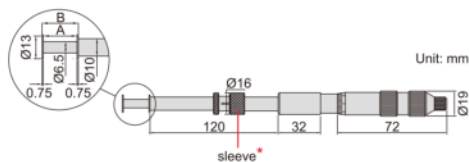
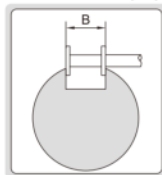
(mm)

Code	Micrometer head range	Micrometer head accuracy	L	b
3331-25A	0-25mm	4 μ m	67	38

GROOVE MICROMETER

- Measure width of grooves inside bores, measure width of keyway
- Graduation 0.01mm
- Two graduations for inside and outside measurements
- Non-rotating spindle
- Two-directional ratchet stop

measure width of keyway

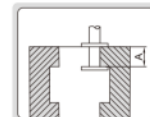


Unit: mm

measure width of groove



measure position of groove

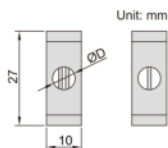


Code	Range (outside A)	Range (inside B)	Accuracy
3287-25B	0-25mm	1.6-26.5mm	10 μ m

3-WIRES



7382-19



Unit: mm

application



- Used with standard outside micrometers to measure pitch diameter of screw threads
- Diameter accuracy: $\pm 0.5\mu$ m
- Cylindricity: 1 μ m
- Hardness: HRC60
- Supplied with manufacturer inspection certificate

For outside micrometers with spindle $\text{Ø}6.50\text{mm}$ (ØD)

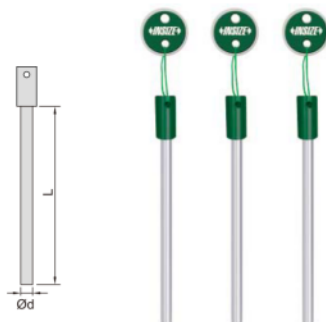
Code	Pin gage diameter (Ø)	Applicable pitch
7382-21	0.170mm	0.2mm, 0.25mm, 0.3mm
7382-22	0.195mm	0.35mm
7382-23	0.220mm	0.4mm
7382-24	0.250mm	0.45mm
7382-25	0.290mm	0.5mm
7382-26	0.335mm	0.6mm
7382-27	0.390mm	0.7mm
7382-28	0.455mm	0.75mm, 0.8mm
7382-29	0.530mm	0.9mm
7382-210	0.620mm	1.0mm
7382-211	0.725mm	1.25mm
7382-212	0.895mm	1.5mm
7382-213	1.100mm	1.75mm, 2.0mm
7382-214	1.350mm	2.5mm
7382-215	1.650mm	3.0mm
7382-216	2.050mm	3.5mm
7382-217	2.550mm	4mm, 4.5mm
7382-218	3.200mm	5mm, 5.5mm, 6mm
7382-2S	18 pairs/set, including all above 3-wires	

CARBIDE 3-WIRES

CUSTOMIZABLE
DIAMETER Ød

INSPECTION
CERTIFICATE

- When $\text{Ød} \leq 0.3\text{mm}$, length $L=25\text{mm}$;
- When $\text{Ød} > 0.3\text{mm}$, length $L=45\text{mm}$
- Made of carbide
- Hardness HRA90
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Roundness: $0.5\mu\text{m}$
- Cylindricity: $1\mu\text{m}$
- Supplied with manufacturer inspection certificate



7394-76A

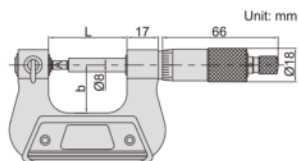
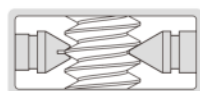
Code	Diameter (Ød)	Applicable pitch
7394-60A	0.170mm	0.2mm, 0.25mm, 0.3mm
7394-61A	0.195mm	0.35mm
7394-62A	0.220mm	0.4mm
7394-63A	0.250mm	0.45mm
7394-64A	0.290mm	0.5mm
7394-65A	0.335mm	0.6mm
7394-66A	0.390mm	0.7mm
7394-67A	0.455mm	0.75mm, 0.8mm
7394-68A	0.530mm	0.9mm
7394-69A	0.620mm	1.0mm
7394-70A	0.725mm	1.25mm
7394-71A	0.895mm	1.5mm
7394-72A	1.100mm	1.75mm, 2.0mm
7394-73A	1.350mm	2.5mm
7394-74A	1.650mm	3.0mm
7394-75A	2.050mm	3.5mm
7394-76A	2.550mm	4mm, 4.5mm
7394-77A	3.200mm	5mm, 5.5mm, 6mm

SCREW THREAD MICROMETERS

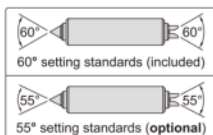
NON-ROTATING
SPINDLE



3281-25A
(measuring tips are optional)



- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm)
- Optional accessory: 55° setting standards, measuring tips (code 7381)



accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-150
0.4-0.5	±0.01	-	-	-	-	-
0.6-0.8	±0.01	±0.013	-	-	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5-2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5-3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0-7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028

Code	Range	L	b	55° setting standard (optional)
3281-25A	0-25mm	42	26	-
3281-50A	25-50mm	67	38	3281-SP1
3281-75A	50-75mm	92	50	3281-SP2
3281-100A	75-100mm	117.6	62	3281-SP3
3281-125A	100-125mm	143	70	3281-SP4
3281-150A	125-150mm	168.2	82	3281-SP5

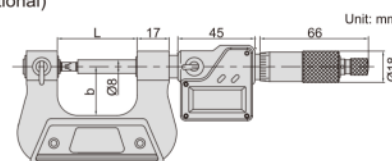
DIGITAL SCREW THREAD MICROMETERS

NON-ROTATING
SPINDLE

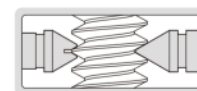
DATA
OUTPUT



3581-25A
(measuring tips are optional)

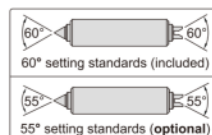


- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")
- Optional accessory: 55° setting standards, measuring tips (code 7381), data output cable (code 7315-30, 7302-30)



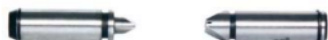
accuracy of micrometers with tips (mm)

Pitch	Range			
	0-25	25-50	50-75	75-100
0.4-0.5	±0.01	-	-	-
0.6-0.8	±0.01	±0.013	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017
1.5-2.0	±0.014	±0.017	±0.019	±0.019
2.5-3.5	±0.016	±0.019	±0.021	±0.021
4.0-7.0	-	±0.021	±0.023	±0.023



Code	Range	L	b	55° setting standard (optional)
3581-25A	0-25mm/0-1"	42	26	-
3581-50A	25-50mm/1-2"	67	38	3281-SP1
3581-75A	50-75mm/2-3"	92	50	3281-SP2
3581-100A	75-100mm/3-4"	117.6	62	3281-SP3

MEASURING TIPS FOR SCREW THREAD MICROMETERS



7381-T13

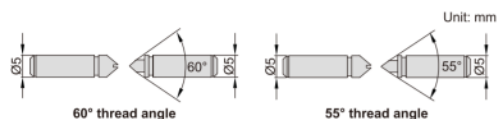
- Supplied in pairs
- Suitable for 3281, 3581 series micrometers

Metric and unified thread (60° thread angle)

Code	Pitch
7381-T11	0.4-0.5mm/64-48TPI
7381-T12	0.6-0.9mm/44-28TPI
7381-T13	1-1.75mm/24-14TPI
7381-T14	2-3mm/13-9TPI
7381-T15	3.5-5mm/8-5TPI
7381-T16	5.5-7mm/4.5-3.5TPI
7381-TS	6 pairs/set, including all above tips

Whitworth thread (55° thread angle)

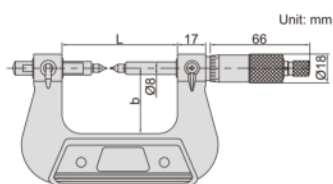
Code	Pitch
7381-T2S	10 pairs/set: 60-48TPI, 48-40TPI, 40-32TPI, 32-24TPI, 24-18TPI, 18-14TPI, 14-10TPI, 10-7TPI, 7-4.5TPI, 4.5-3.5TPI, including all above tips



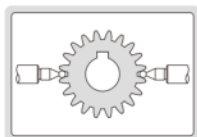
GEAR TOOTH MICROMETERS



3291-25



- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)



Code	Range	Accuracy	L	b
3291-25	0-25mm	4µm	67	38
3291-50	25-50mm	4µm	92.4	50
3291-75	50-75mm	5µm	117.6	62
3291-100	75-100mm	5µm	143	70

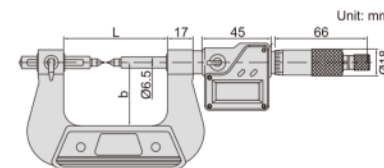
DIGITAL GEAR TOOTH MICROMETERS

IP65
WATERPROOF

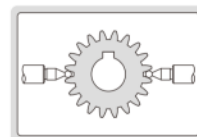
DATA
OUTPUT



3591-25A



- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), data output cable (code 7315-30, 7302-30)



Code	Range	Accuracy	L	b
3591-25A	0-25mm/0-1"	±4µm	67	38
3591-50A	25-50mm/1-2"	±4µm	92.4	50
3591-75A	50-75mm/2-3"	±5µm	117.6	62
3591-100A	75-100mm/3-4"	±5µm	143	70

BALL TIPS FOR GEAR TOOTH MICROMETERS



7391-T5

- Supplied in pair
- Suitable for 3291, 3591 series micrometers

Code	Ball dia. (D)
7391-T2	SØ1.5mm
7391-T3	SØ2.0mm
7391-T4	SØ2.5mm
7391-T5	SØ3.0mm
7391-T6	SØ3.5mm

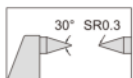
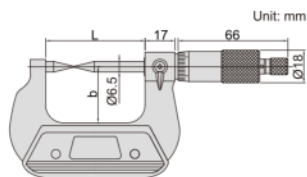
Code	Ball dia. (D)
7391-T7	SØ4.0mm
7391-T8	SØ4.5mm
7391-T9	SØ5.0mm
7391-T10	SØ6.0mm

POINT MICROMETERS



3230-25A

- Measure the web thickness of drills, small grooves and keyways
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



Code	Range	Accuracy	L	b
3230-25A	0-25mm	4µm	57	32
3230-50A	25-50mm	4µm	82	44.5
3230-75A	50-75mm	5µm	107	57
3230-100A	75-100mm	5µm	132.6	69.5

DIGITAL POINT MICROMETERS

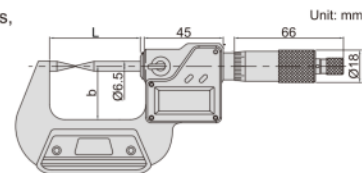
IP65
WATERPROOF

DATA
OUTPUT



3530-25A

- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



Code	Range	Type	Accuracy	L	b
3530-25A	0-25mm/0-1"	A	±4µm	57mm	32mm
3530-50A	25-50mm/1-2"	A	±4µm	82mm	44.5mm
3530-25BA	0-25mm/0-1"	B	±4µm	57mm	32mm
3530-50BA	25-50mm/1-2"	B	±4µm	82mm	44.5mm

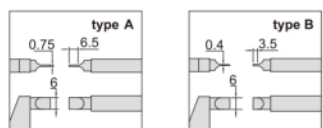
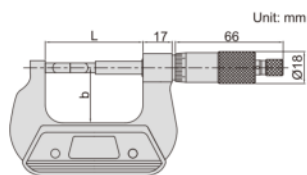
BLADE MICROMETERS

NON-ROTATING
SPINDLE



3232-25A

- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



Code	Range	Type	Accuracy	L	b
3232-25A	0-25mm	A	4µm	57mm	32mm
3232-50A	25-50mm	A	4µm	82mm	44.5mm
3232-75A	50-75mm	A	5µm	107mm	57mm
3232-100A	75-100mm	A	5µm	132.6mm	69.5mm
3232-25BA	0-25mm	B	4µm	57mm	32mm

DIGITAL BLADE MICROMETERS

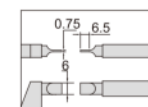
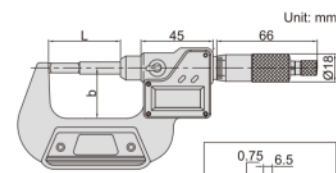
NON-ROTATING
SPINDLE

DATA
OUTPUT



3532-25A

- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



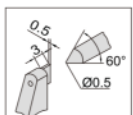
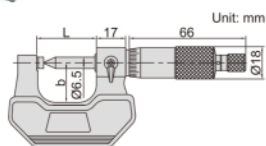
Code	Range	Accuracy	L	b
3532-25A	0-25mm/0-1"	±4µm	57	32
3532-50A	25-50mm/1-2"	±4µm	82	44.5

CRIMP HEIGHT MICROMETER



3266-25BA

- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop



Code	Range	Accuracy	L	b
3266-25BA	0-25mm	4µm	34mm	24mm

DIGITAL CRIMP HEIGHT MICROMETER

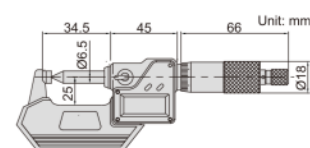
IP65
WATERPROOF

DATA
OUTPUT



3566-25BA

- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)



Code	Range	Accuracy
3566-25BA	0-25mm/0-1"	±4µm

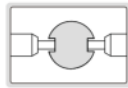
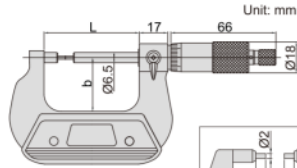
SPLINE MICROMETER



3233-25A

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces

Code	Range	Accuracy	L	b
3233-25A	0-25mm	4μm	57mm	32mm



DIGITAL SPLINE MICROMETER

DATA OUTPUT

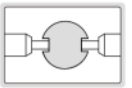
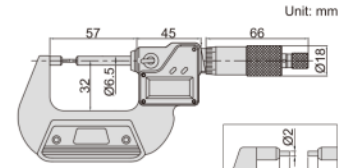
IP65 WATERPROOF



3533-25A

- Measure splined shafts, slots and keyways
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-30, 7302-30)

Code	Range	Accuracy	Resolution
3533-25A	0-25mm/0-1"	±4μm	0.001mm/0.00005"



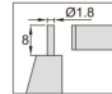
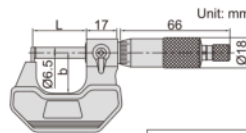
CYLINDRICAL ANVIL TUBE MICROMETER



3261-25A

- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide spindle tip

Code	Range	Accuracy	L	b
3261-25A	0-25mm	6μm	36mm	25mm



DIGITAL CYLINDRICAL ANVIL TUBE MICROMETER

IP65 WATERPROOF

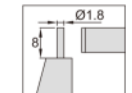
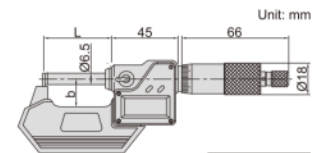
DATA OUTPUT



3561-25A

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Carbide spindle tip
- Optional accessory: data output cable (code 7315-30, 7302-30)

Code	Range	Accuracy	L	b
3561-25A	0-25mm/0-1"	±6μm	36mm	25mm



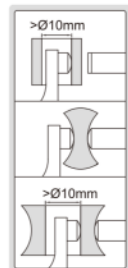
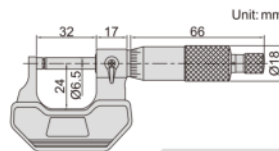
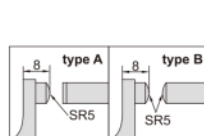
SPHERICAL ANVIL TUBE MICROMETERS



3260-25A

- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

Code	Range	Type	Accuracy
3260-25A	0-25mm	A	4μm
3260-25SA	0-25mm	B	4μm



DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

IP65 WATERPROOF

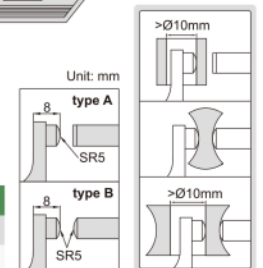
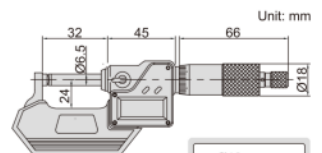
DATA OUTPUT



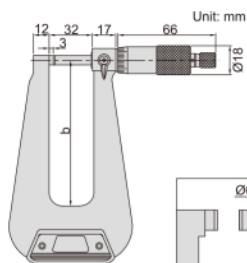
3560-25A

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

Code	Range	Type	Accuracy
3560-25A	0-25mm/0-1"	A	±4μm
3560-25SA	0-25mm/0-1"	B	±4μm



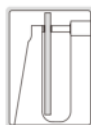
SHEET METAL MICROMETER



3239-253

- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces

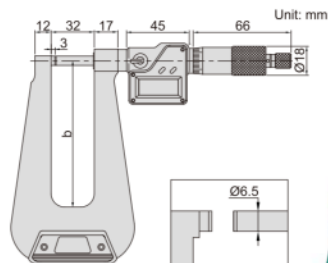
Code	Range	Accuracy	b
3239-253	0-25mm	7µm	155mm



DIGITAL SHEET METAL MICROMETER

IP65
WATERPROOF

DATA
OUTPUT



3539-253A

- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-30, 7302-30)

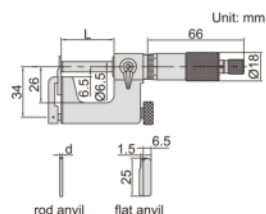
Code	Range	Accuracy	b
3539-253A	0-25mm/0-1"	±7µm	155mm



INTERCHANGEABLE ANVIL MICROMETERS

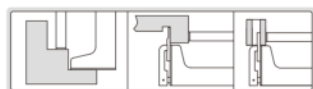


3262-25A



rod anvil flat anvil

- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Graduation 0.01mm
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm)



Code	Range	Accuracy	L	d
3262-25A	0-25mm	4µm	28.5mm	Ø3mm
3262-50A	25-50mm	4µm	53.5mm	Ø5mm

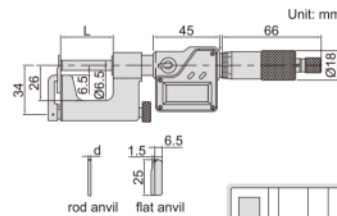
DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

IP65
WATERPROOF

DATA
OUTPUT



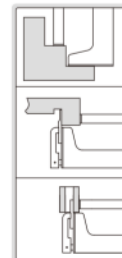
3562-25A



rod anvil flat anvil

- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

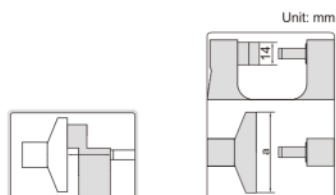
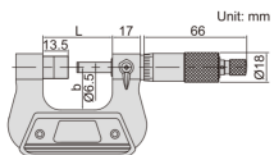
Code	Range	Accuracy	L	d
3562-25A	0-25mm/0-1"	±4µm	28.5mm	Ø3mm
3562-50A	25-50mm/1-2"	±4µm	53.5mm	Ø5mm



LARGE ANVIL MICROMETER



3234-25A



- Graduation 0.01mm
- Ratchet stop

Code	Range	Accuracy	L	a	b
3234-25A	0-25mm	4µm	42mm	50mm	26mm

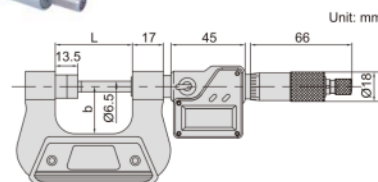
DIGITAL LARGE ANVIL MICROMETER

DATA
OUTPUT

IP65
WATERPROOF



3534-25A



- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)

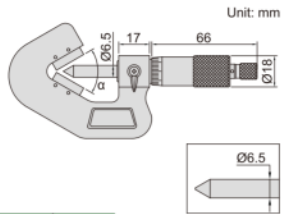
Code	Range	Accuracy	L	a	b
3534-25A	0-25mm/0-1"	±4µm	42	50	26

V-ANVIL MICROMETER



3290-153A

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



Code	Range	Flutes	Accuracy	α
3290-153A	1-15mm	3	4 μ m	60°

DIGITAL V-ANVIL MICROMETER

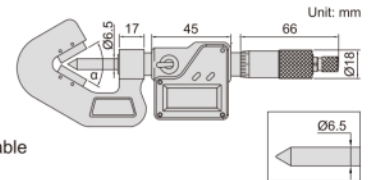
IP65
WATERPROOF

DATA
OUTPUT



3590-153A

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



Code	Range	Flutes	Accuracy	α
3590-153A	1-15mm/0.04-0.6"	3	$\pm 4\mu$ m	60°

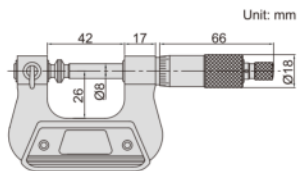
NON-ROTATING SPINDLE UNIVERSAL MICROMETER

NON-ROTATING
SPINDLE



3280-25A

Code	Range	Accuracy
3280-25A	0-25mm	4 μ m



- Meet DIN863-3
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Optional accessory: 55° anvil/spindle tip (code 3280-SP1 and 3280-SP2)

Anvil/spindle tip (included) Unit: mm

Flat		Ø6.5	
Spherical		S/R5 Ø6.5	
Spline		Ø2	
Disk		Ø12	
Blade		0.7	
Knife-edge		0.35	
Point		Ø0.3	

55° anvil/spindle tip (optional) Unit: mm

Code 3280-SP1 Knife-edge		0.35	
Code 3280-SP2 Point		Ø0.3	

DIGITAL UNIVERSAL MICROMETER

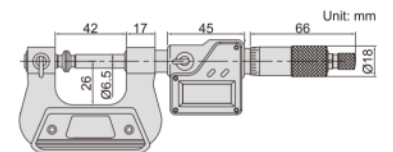
NON-ROTATING
SPINDLE

DATA
OUTPUT



3580-25A

Code	Range
3580-25A	0-25mm/0-1"



- Accuracy: $\pm 4\mu$ m
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Optional accessory: 55° anvil/spindle tip code 3280-SP1 and 3280-SP2, data output cable (code 7315-30, 7302-30)

Anvil/spindle tip (included) Unit: mm

Flat		Ø6.5	
Spherical		S/R5 Ø6.5	
Spline		Ø2	
Disk		Ø12	
Blade		0.7	
Knife-edge		0.35	
Point		Ø0.3	

55° anvil/spindle tip (optional) Unit: mm

Code 3280-SP1 Knife-edge		0.35	
Code 3280-SP2 Point		Ø0.3	

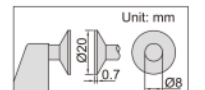
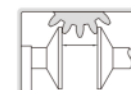
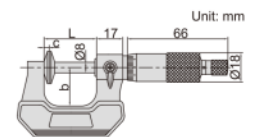
DISK MICROMETERS

- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards

Code	Range	Accuracy	Parallelism	L	b	c
3282-25	0-25mm	4 μ m	5 μ m	34	24	3.3
3282-50	25-50mm	4 μ m	5 μ m	59	32	3.3
3282-75	50-75mm	5 μ m	5 μ m	85	45	3.3
3282-100	75-100mm	5 μ m	5 μ m	110	57	3.3



3282-25



DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

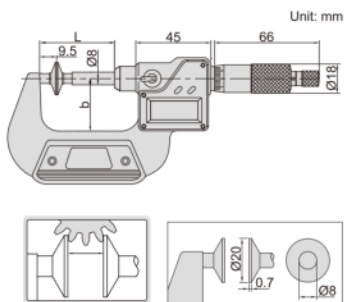
NON-ROTATING SPINDLE

DATA OUTPUT



3594-25A

- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)

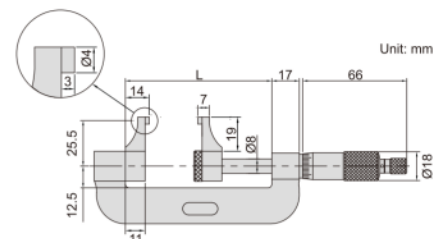
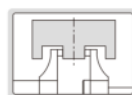


Code	Range	Accuracy	Parallelism	L	b
3594-25A	0-25mm/0-1"	±4µm	5µm	43mm	32mm
3594-50A	25-50mm/1-2"	±4µm	5µm	68mm	44.5mm
3594-75A	50-75mm/2-3"	±5µm	5µm	93mm	57mm
3594-100A	75-100mm/3-4"	±5µm	5µm	118.5mm	70mm

CALIPER TYPE MICROMETER



3238-25

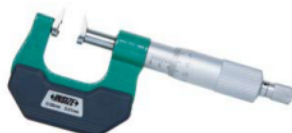


- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

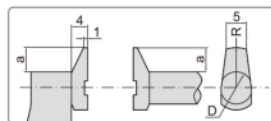
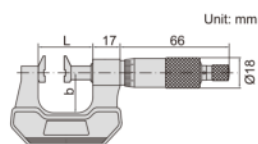
Code	Range	Accuracy	L
3238-25	0-25mm	10µm	56mm

JAW TYPE MICROMETER

NON-ROTATING SPINDLE



3283-25A



- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop

(mm)

Code	Range	Accuracy	L	a	b	R	D
3283-25A	0-25mm	4µm	34	6	24	10	8

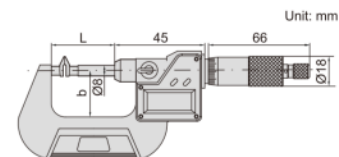
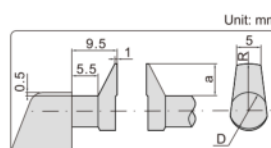
DIGITAL JAW TYPE MICROMETER

NON-ROTATING SPINDLE

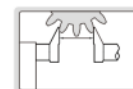
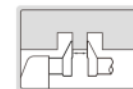
DATA OUTPUT



3583-25A



- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)



(mm)

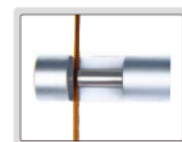
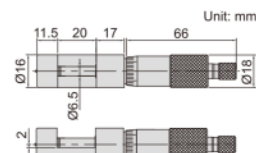
Code	Range	Accuracy	L	a	b	R	D
3583-25A	0-25mm/0-1"	±4µm	43	6.5	32	10	8

WIRE MICROMETER

- Meet DIN863-3
- Measure diameter of wires and small balls
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3285-10

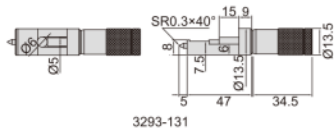


Code	Range	Accuracy
3285-10	0-10mm	4µm

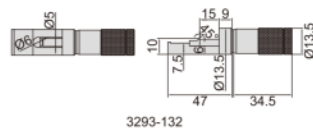
CAN SEAM MICROMETERS



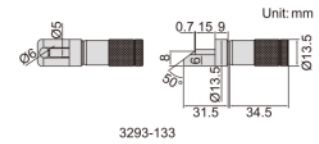
3293-131



3293-132

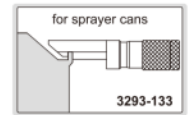
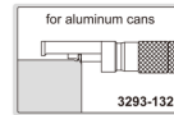
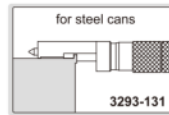


3293-133



- Measure the width, height and depth of can seams
- Graduation 0.01mm

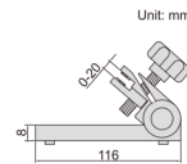
Code	Range	Accuracy
3293-131	0-13mm	4µm
3293-132	0-13mm	4µm
3293-133	0-13mm	4µm



MICROMETER STAND



6300



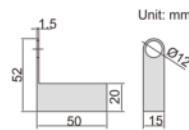
- Suitable for outside micrometers up to 100mm

Code
6300

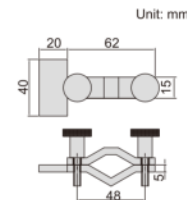
MICROMETER STAND



6301

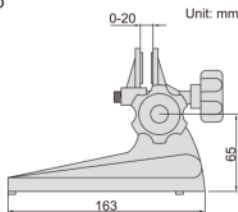


6301-1



6301-2

- Suitable for outside micrometers up to 100mm



Code
6301

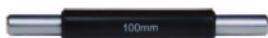
- Suitable for inside micrometers

Code	Description	Applicable products
6301-1	clamp for inside micrometers	all sizes of 3220 series

- Suitable for three points internal micrometers

Code	Description	Applicable products
6301-2	clamp for three points internal micrometers	up to 100mm of 3127 and 3227 series

MICROMETER SETTING STANDARDS



6310-100



Code	Length	Accuracy	D
6310-25	25	±1.5µm	Ø7
6310-50	50	±2µm	Ø7
6310-75	75	±2.5µm	Ø7
6310-100	100	±3µm	Ø8

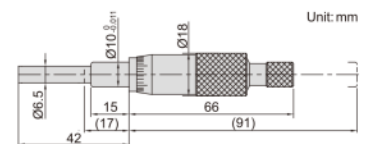
(mm)

MICROMETER HEAD



6381-25W

- Meet DIN863-2
- Ratchet stop



Code	Range	Stem	Spindle tip	Accuracy	Graduation
6381-25W	0-25mm	plain	flat (carbide)	3µm	0.01mm