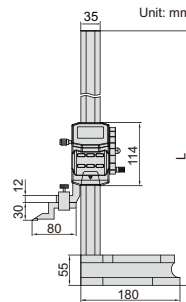


### DIGITAL HEIGHT GAGE WITH DRIVING WHEEL

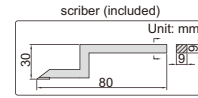
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset (+, -), hold
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
- Supplied with dust cover
- Optional accessory: data output cable, dial test indicator holder (code 6293-6)

DATA OUTPUT

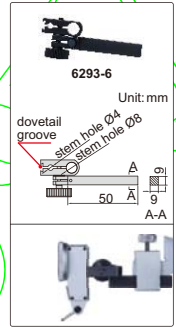
METAL RACK



1156-300



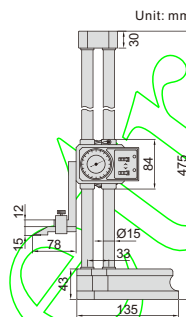
dial test indicator holder (optional)



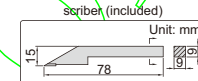
Code	Range	Accuracy	L
1156-300	0-300mm/0-12"	±0.03mm	515
1156-600	0-600mm/0-24"	±0.05mm	815

### DIAL HEIGHT GAGE

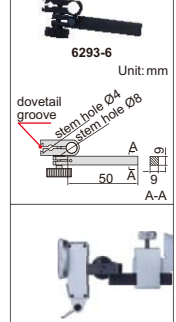
- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6)



1351-300



dial test indicator holder (optional)

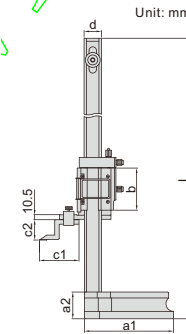


Code	Range	Accuracy
1351-300	0-300mm	±0.04mm

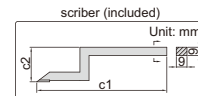
Sizes available up to 600mm

### VERNIER HEIGHT GAGE

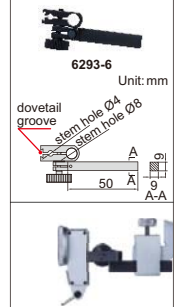
- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6)



1250-300



dial test indicator holder (optional)



Code	Range	Accuracy	L	a1	a2	b	c1	c2	d
1250-300	0-300mm/0-12"	±0.04mm	545	135	43	75	80	30	28
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	80	41	35

### DIGITAL OUTSIDE MICROMETER

- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, 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



3101-25A

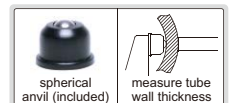
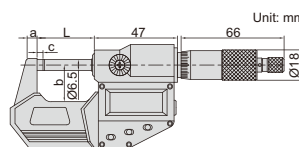


IP65 WATERPROOF

DATA OUTPUT

Code	Range	Accuracy	L	a	b	c
3101-25A*	0-25mm/0-1"	±2µm	32.5	6	24	3
3101-50A*	25-50mm/1-2"	±2µm	57.5	8	32	3

\*Supplied with manufacturer inspection certificate traceable to DKD Germany  
- Sizes available up to 300mm

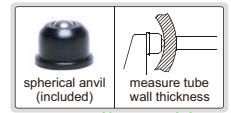


## METRIC DIGITAL OUTSIDE MICROMETER



**ATTENTION: NO DATA OUTPUT**

**IP54 WATERPROOF**

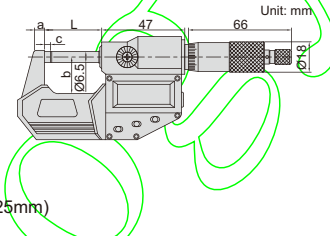


3108-25A

(mm)						
Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm	±2µm	32.5	6	24	3
3108-50A*	25-50mm	±2µm	57.5	8	32	3
3108-75A*	50-75mm	±3µm	82.5	8	44.5	3
3108-100A*	75-100mm	±3µm	107.5	8	57	3

\* Supplied with manufacturer inspection certificate traceable to DKD Germany  
- Sizes available up to 200mm

- Resolution: 0.001mm
- IP54 dust/waterproof
- Button function: on/off, set, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm)



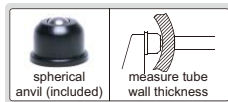
## DIGITAL OUTSIDE MICROMETER



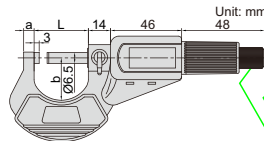
**ATTENTION: NO DATA OUTPUT**



3109-25A



- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, 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	c
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	

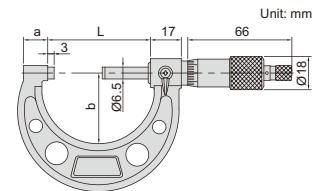
\* Supplied with manufacturer inspection certificate traceable to DKD Germany

## 1µm GRADUATION OUTSIDE MICROMETER



3210-25A

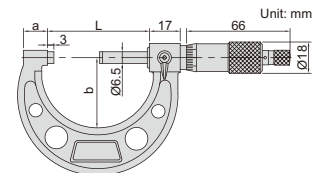
- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



(mm)						
Code	Range	Accuracy	L	a	b	c
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	

\* Supplied with manufacturer inspection certificate traceable to DKD Germany  
- Sizes available up to 200mm

## OUTSIDE MICROMETER



3203-50A



3203-25A



3203-1506A

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

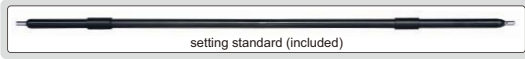
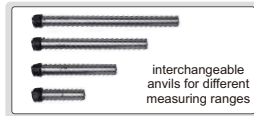
Set		
Code	Range	Micrometers included
3203-1004A*	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A
3203-1506A	0-150mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A

\* Supplied with manufacturer inspection certificate traceable to DKD Germany

Individual (mm)						
Code	Range	Accuracy	L	a	b	c
3203-25A*	0-25mm	4µm	32	9	28	
3203-50A*	25-50mm	4µm	57	14	38	
3203-75A*	50-75mm	5µm	82	15	49	
3203-100A*	75-100mm	5µm	107	15	60	
3203-125A	100-125mm	6µm	133	16.5	73	
3203-150A	125-150mm	6µm	158	16.5	85	
3203-175A	150-175mm	7µm	183	19.4	104	
3203-200A	175-200mm	7µm	209	19.4	117	
3203-225A	200-225mm	8µm	234	19.4	130	
3203-250A	225-250mm	8µm	260	19.4	142	
3203-275A	250-275mm	9µm	285	19.4	155	
3203-300A	275-300mm	9µm	310	19.4	168	

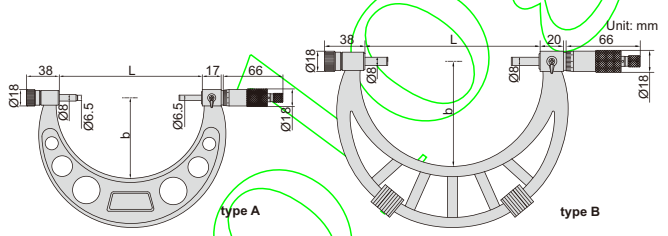
### OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



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

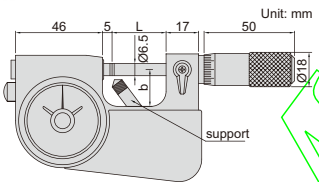
Sizes available up to 1000mm



### INDICATING MICROMETER



3332-25



- Micrometer head graduation: 0.002mm
- Micrometer head accuracy: 4µm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards

Code	Micrometer head range	L	b	Remark
3332-25	0-255mm	28.5	19	with support

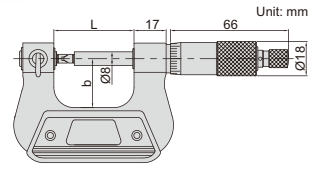
Sizes available up to 100mm

### SCREW THREAD MICROMETER WITHOUT MEASURING TIPS

NON-ROTATING SPINDLE



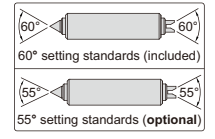
3281-25A



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

accuracy of micrometers with tips (mm)

Pitch	Range
	0-25
0.4-0.5	±0.01
0.6-0.8	±0.01
1-1.25	±0.012
1.5-2.0	±0.014
2.5-3.5	±0.016



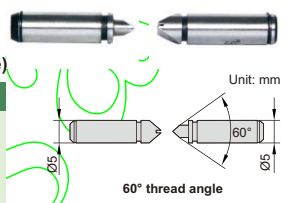
Code	Range	L	b
3281-25A	0-25mm	42	26

Sizes available up to 200mm

### MEASURING TIPS FOR SCREW THREAD MICROMETER

Metric and unified thread (60° thread angle)

Code	Pitch
7381-TS	6 pairs/set: 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI

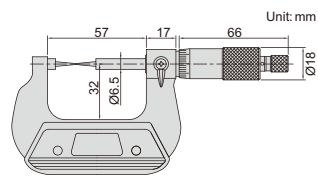


- Supplied in pair
- Suitable for 3281, 3581 series micrometers

### POINT MICROMETER



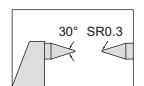
3230-25A



- Measure the web thickness of drills, small grooves and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)

Code	Range	Accuracy
3230-25A	0-25mm	4µm

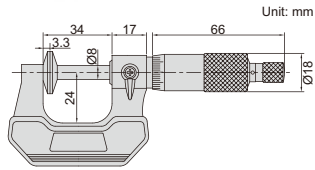
Sizes available up to 100mm



**DISK MICROMETER**



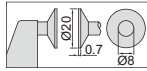
3282-25



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

Code	Range	Accuracy	Parallelism
3282-25	0-25mm	4µm	5µm

Sizes available up to 100mm



**DIGITAL CRIMP HEIGHT MICROMETER**



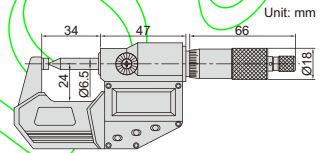
3566-25BA

DATA OUTPUT

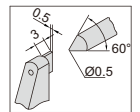
IP54 WATERPROOF



- Measure the height of crimp contact
- Resolution: 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable



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

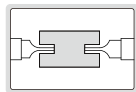


**BLADE MICROMETER**

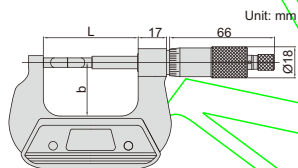


3232-25BA

NON-ROTATING SPINDLE

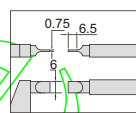


- Measure the groove diameter of shafts and keyways
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



Code	Range	Accuracy	L (mm)	b (mm)
3232-25A	0-25mm	4µm	57	32
3232-50A	25-50mm	4µm	82	44.5

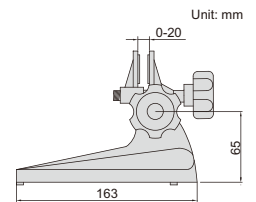
Sizes available up to 175mm



**MICROMETER STAND**



6301



Code
6301

- Suitable for micrometers up to 100mm



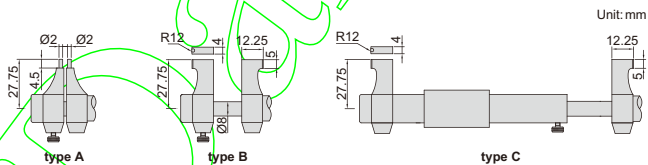
**INSIDE MICROMETER**

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting ring (code 6312)



3220-50

Unit: mm



Code	Range	Type	Setting ring	Accuracy
3220-30	5-30mm	A	5mm (included)	7µm
3220-50	25-50mm	B	25mm (included)	8µm
3220-75	50-75mm	B	50mm (optional)	9µm
3220-100	75-100mm	C	75mm (optional)	10µm

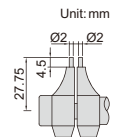
**DIGITAL INSIDE MICROMETER**



3520-30

DATA OUTPUT

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable



Code	Range	Setting ring	Accuracy
3520-30	5-30mm/0.2-1.2"	5mm (included)	±5µm

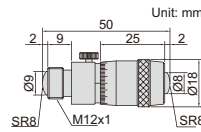
Sizes available up to 100mm



## TUBULAR INSIDE MICROMETER

Code	Range	Travel of micrometer head	Extension rods
3222-300	50-300mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm
3222-500	50-500mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm
3222-600	50-600mm	13mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm
3222-1000	50-1000mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm (2pcs), 300mm

Sizes available up to 1500mm



- Graduation: 0.01mm
- Accuracy:  $(3+n+L/50)\mu\text{m}$   
n=number of rods, L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces

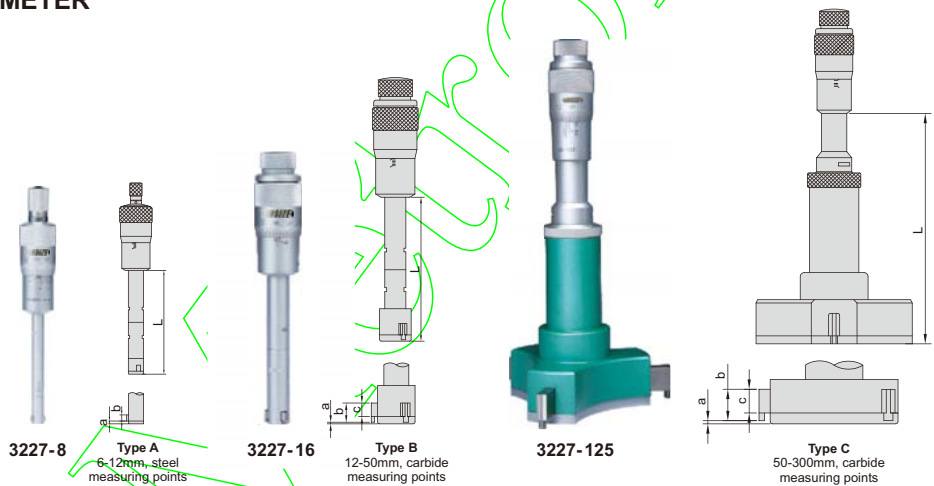
3222-300

## THREE POINTS INTERNAL MICROMETER



### Manufacturer Inspection Certificate

Actual Ring Size(mm)		Permissible Error	Measured Diameter
20.000	0		
20.005	+		
20.010			
20.015	-		
20.020			



- 6-12mm: graduation 0.001mm
- 12-300mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings (code 6312)

### Individual

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c
3227-8*	6-8mm	A	4 $\mu\text{m}$	Ø6mm(included)	100mm	54.5	1.5	2.5	—
3227-10*	8-10mm	A	4 $\mu\text{m}$	Ø8mm(included)	100mm	54.5	1.5	2.5	—
3227-12*	10-12mm	A	4 $\mu\text{m}$	Ø10mm(included)	100mm	54.5	1.5	2.5	—
3227-16*	12-16mm	B	4 $\mu\text{m}$	Ø16mm(included)	150mm	80	0.5	6	4.5
3227-20*	16-20mm	B	4 $\mu\text{m}$	Ø16mm(included)	150mm	80	0.5	6	4.5
3227-25*	20-25mm	B	4 $\mu\text{m}$	Ø25mm(included)	150mm	90	0.5	8	6
3227-30*	25-30mm	B	4 $\mu\text{m}$	Ø25mm(included)	150mm	90	0.5	8	6
3227-40*	30-40mm	B	4 $\mu\text{m}$	Ø40mm(included)	150mm	97	0.5	14	12
3227-50*	40-50mm	B	5 $\mu\text{m}$	Ø40mm(included)	150mm	97	0.5	14	12
3227-63*	50-63mm	C	5 $\mu\text{m}$	Ø62mm(included)	150mm	114	0.5	17.5	14.5
3227-75*	62-75mm	C	5 $\mu\text{m}$	Ø62mm(included)	150mm	114	0.5	17.5	14.5
3227-88*	75-88mm	C	5 $\mu\text{m}$	Ø87mm(included)	150mm	114	0.5	17.5	14.5
3227-100*	87-100mm	C	5 $\mu\text{m}$	Ø87mm(included)	150mm	114	0.5	17.5	14.5

### setting ring



6-100mm: included  
100-300mm: optional

### extension rod



included

### interchangeable jaws



100-300mm: have two sets of jaws for different measuring range (For example, 3227-125 has 100-112.5mm and 112.5-125mm jaws)

### Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)
3227-123*	6-12mm	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm
3227-202*	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm
3227-504*	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm
3227-1004*	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm

\*Supplied with manufacturer inspection certificate



3227-504