

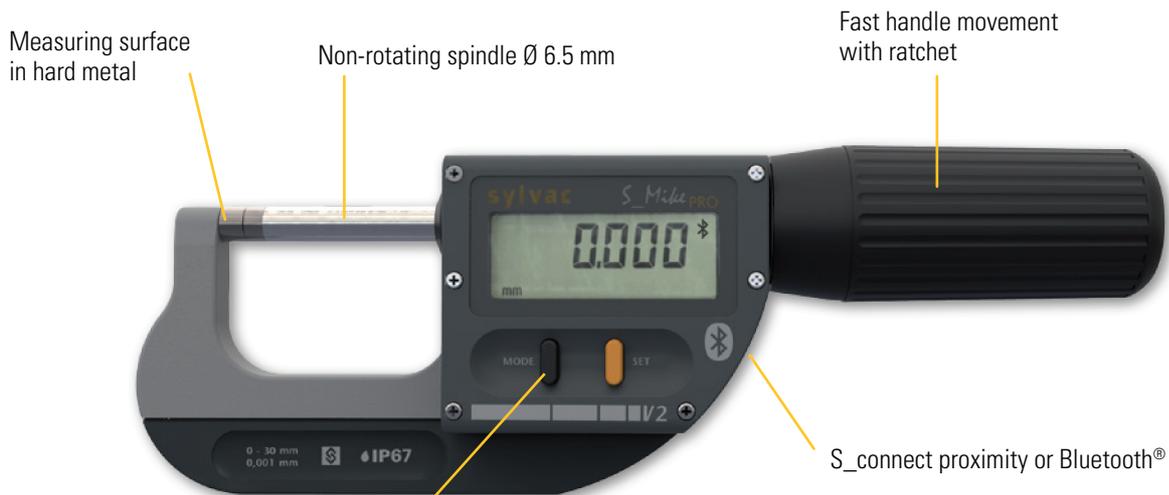
# Professional micrometer

# S\_Mike PRO

## DESCRIPTION

CYLINDRICAL Ø6.5

- Automatic wake-up by moving the measuring spindle (Absolute System S.I.S)
- Sleeping mode after 20 min. of no use (Absolute System S.I.S)
- Position memorized in sleeping mode, **Absolute System S.I.S\***
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529, **even connected**
- Measuring range 0-161 mm **covered with 5 instruments only**
- Set of 3 micrometers 0-102 mm available
- Quick displacement of the measuring spindle 10 mm / rotation
- Adjustable measuring force 5N / 10N (versions 903.030X)
- Repeatability and reproducibility never reached before
- Thimble in polyacetal-copolymer



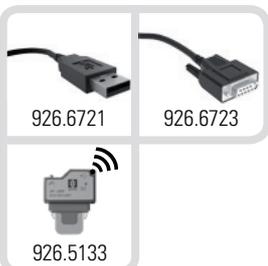
**SWISS MADE**

**SIS** Smart Inductive System

**WATER RESISTANT**

**IP67**

**PROXIMITY** Built-in **Bluetooth®**



Simple and friendly functions

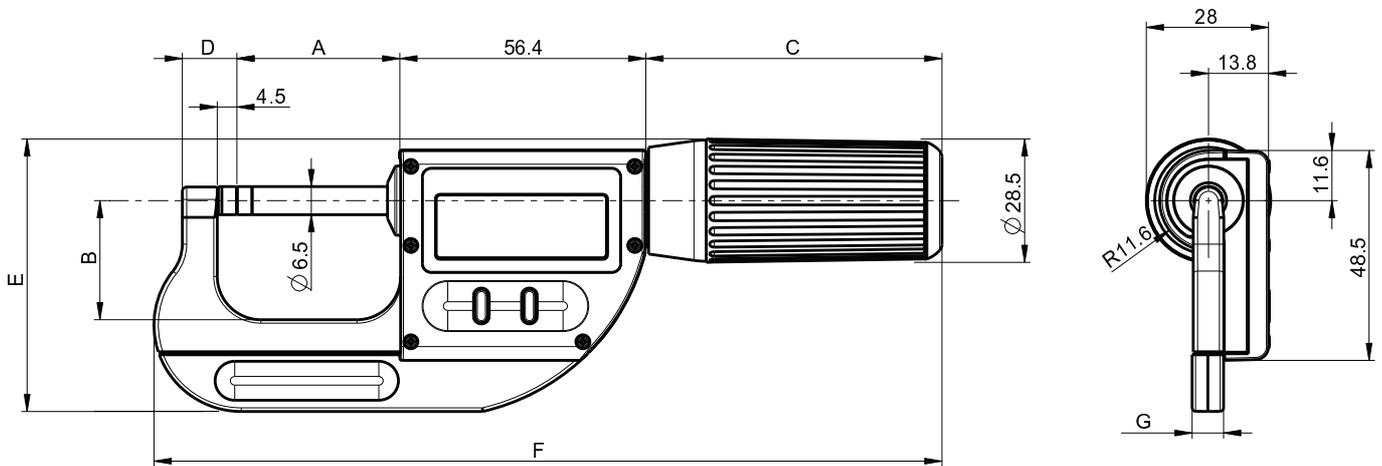


# Professional micrometer

# S\_Mike PRO

## DIMENSIONAL DRAWING

CYLINDRICAL Ø6.5



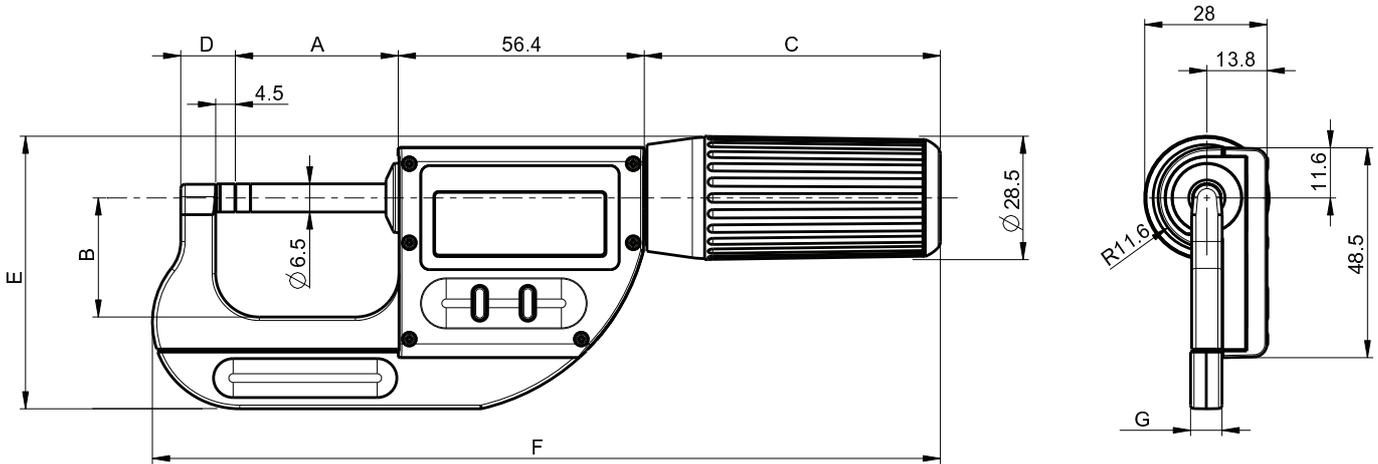
## TECHNICAL SPECIFICATIONS

		803.0300	903.0600	903.1000	903.1360	903.1600
Measuring range	mm	0-30	30-66	66-102	100-136	125-161
Max. Error G <sup>1)</sup>	µm	3	4	5	7	8
Repeatability <sup>2)</sup>	µm	1	1	1	2	2
Anvils types		Ø6.5				
A	mm	37.3	73.3	109.3	143.3	168.3
B	mm	27.5	43	60	95	110
C	mm	68	74	74	74	74
D	mm	12.5	13.5	14.5	19.5	19.5
E	mm	63	86	106	151	169
F	mm	181	230	269	306	339
G	mm	7.2	9	9	9	9
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>				
Prot. rating accor. to IEC 60529		IP67 even connected				
Setting by PC		●				
Adjustable measuring force		5N / 10N		10N		
Non-rotating spindle		●				
Fast movement		●				
Preset function		●				
Smart Inductive Sensor		●				

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter



## TECHNICAL SPECIFICATIONS

		803.0306	903.0606	903.1006
Measuring range	mm	0-30	30-66	66-102
Max. Error G <sup>1)</sup>	µm	3	4	5
Repeatability <sup>2)</sup>	µm	1	1	1
Anvils types		Ø6.5 <sup>3)</sup>		
A	mm	37.3	73.3	109.3
B	mm	27.5	43	60
C	mm	68	74	74
D	mm	12.5	13.5	14.5
E	mm	63	86	106
F	mm	181	230	269
G	mm	7.2	9	9
S_Connect	Bluetooth® wireless technology*			
Prot. rating accor. to IEC 60529	IP67 even connected			
Setting by PC	●			
Adjustable measuring force	5N / 10N		10N	
Non-rotating spindle	●			
Fast movement	●			
Preset function	●			
Smart Inductive Sensor	●			

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> Other anvils type on demand.

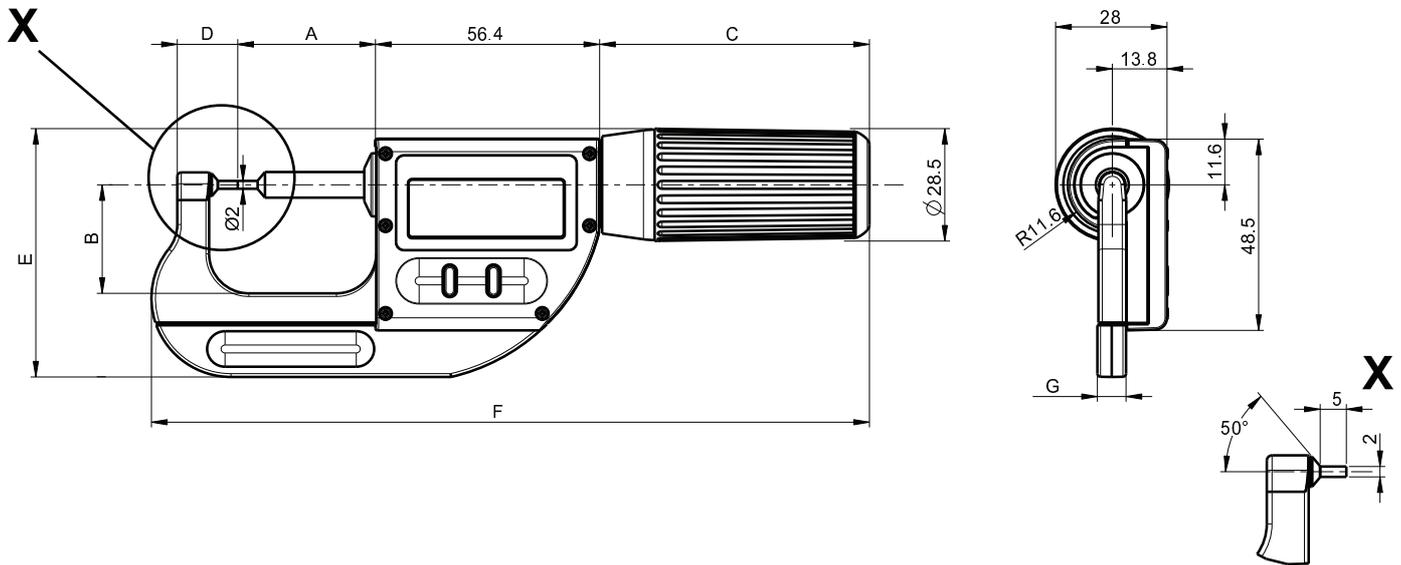
\* Up to 8 instruments connected per dongle #981.7100  
More informations on How to use Bluetooth® leaflet SYL\_1401\_EN\_BT

# Professional micrometer

# S\_Mike PRO

## DIMENSIONAL DRAWING

## CYLINDRICAL Ø2



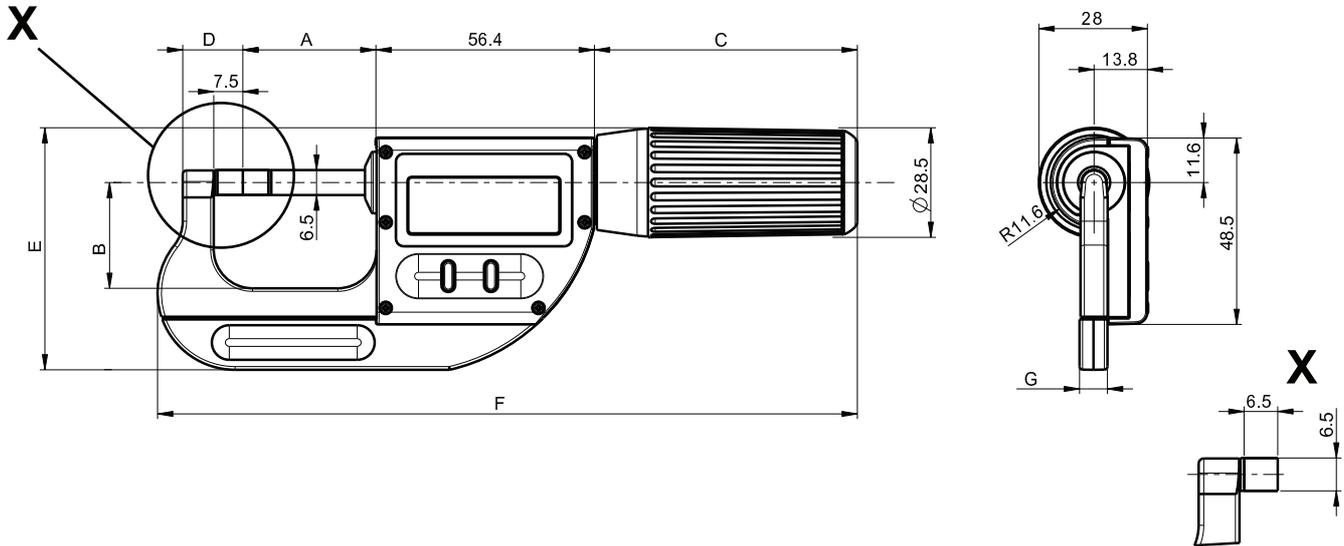
## TECHNICAL SPECIFICATIONS

		803.0301	903.0601	903.1001	803.0307
Measuring range	mm	0-25	25-60	60-95	0-25
Max. Error G <sup>1)</sup>	µm	3	4	5	3
Repeatability <sup>2)</sup>	µm	1	1	1	1
Anvils types			Ø2		Ø2
A	mm	34.6	70.6	106.6	34.6
B	mm	27.5	43	60	27.5
C	mm	68	74	74	68
D	mm	15.2	16.2	17.2	15.2
E	mm	63	86	106	63
F	mm	181	230	269	181
G	mm	7.2	9	9	7.2
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>			Bluetooth® wireless technology*
Prot. rating accor. to IEC 60529		IP67 even connected			
Setting by PC				●	
Adjustable measuring force		5N / 10N		10N	5N / 10N
Non-rotating spindle				●	
Fast movement				●	
Preset function				●	
Smart Inductive Sensor				●	

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter



## TECHNICAL SPECIFICATIONS

		803.0302	903.0602	903.1002	903.1302	903.1602	803.0308
Measuring range	mm	0-25	25-60	60-95	95-130	120-155	0-25
Max. Error G <sup>1)</sup>	µm	3	4	5	6	7	3
Repeatability <sup>2)</sup>	µm	1	1	1	2	2	1
Anvils types		0.75x6.5					0.75x6.5
A	mm	34.3	70.3	106.3	140.3	165.3	34.3
B	mm	27.5	43	60	95	110	27.5
C	mm	68	74	74	74	74	68
D	mm	15.5	16.5	17.5	22.5	22.5	15.5
E	mm	63	86	106	151	169	63
F	mm	181	230	269	306	339	181
G	mm	7.2	9	9	9	9	7.2
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>					Bluetooth® wireless technology*
Prot. rating accor. to IEC 60529		IP67 even connected					
Setting by PC		●					
Adjustable measuring force		5N / 10N		10N			5N / 10N
Non-rotating spindle		●					
Fast movement		●					
Preset function		●					
Smart Inductive Sensor		●					

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter

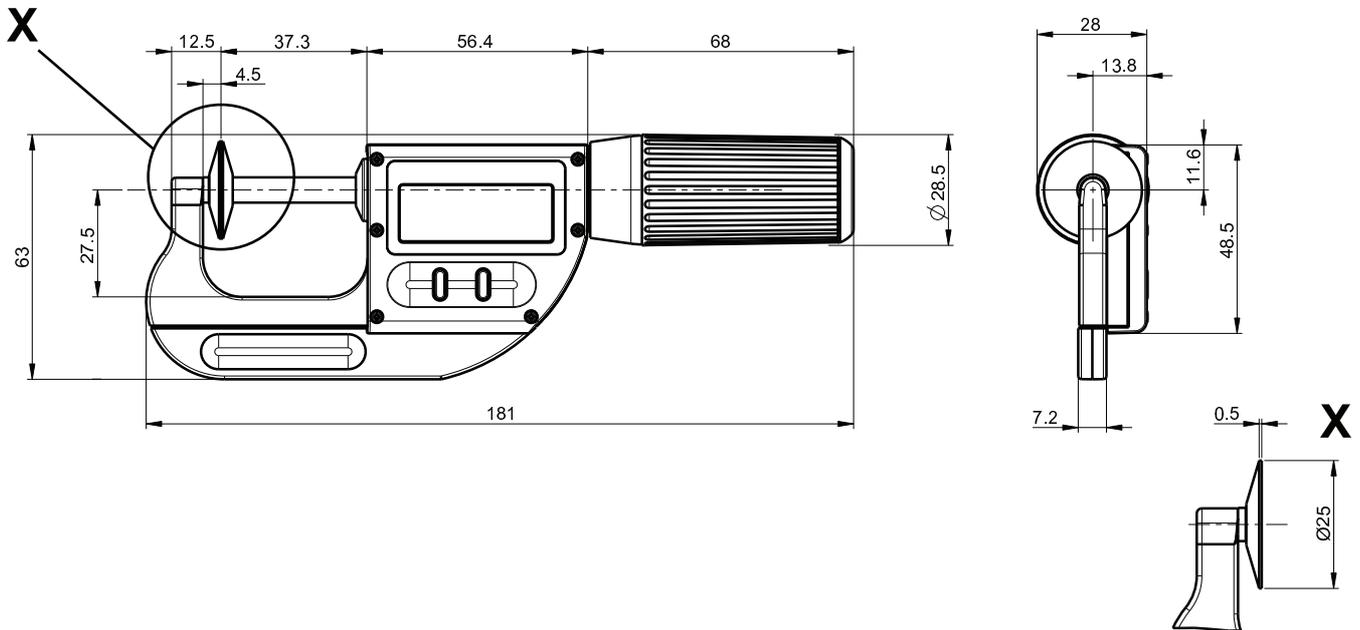
# Professional micrometer

# S\_Mike PRO

DIMENSIONAL DRAWING

DISC-SHAPED

A



## TECHNICAL SPECIFICATIONS

		803.0303
Measuring range	mm	0-30
Max. Error G <sup>1)</sup>	µm	4 (full-touch-contact) / 10 (partial contact)
Repeatability <sup>2)</sup>	µm	1
Flatness	µm	2
Parallelism	µm	5 (full-touch-contact) / 10 (partial contact)
Gear unit		Measurable module ≥ 0.5
Anvils types		Ø25
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>
Prot. rating accor. to IEC 60529		IP67 even connected
Setting by PC		●
Adjustable measuring force		5N
Non-rotating spindle		●
Fast movement		●
Preset function		●
Smart Inductive Sensor		●

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

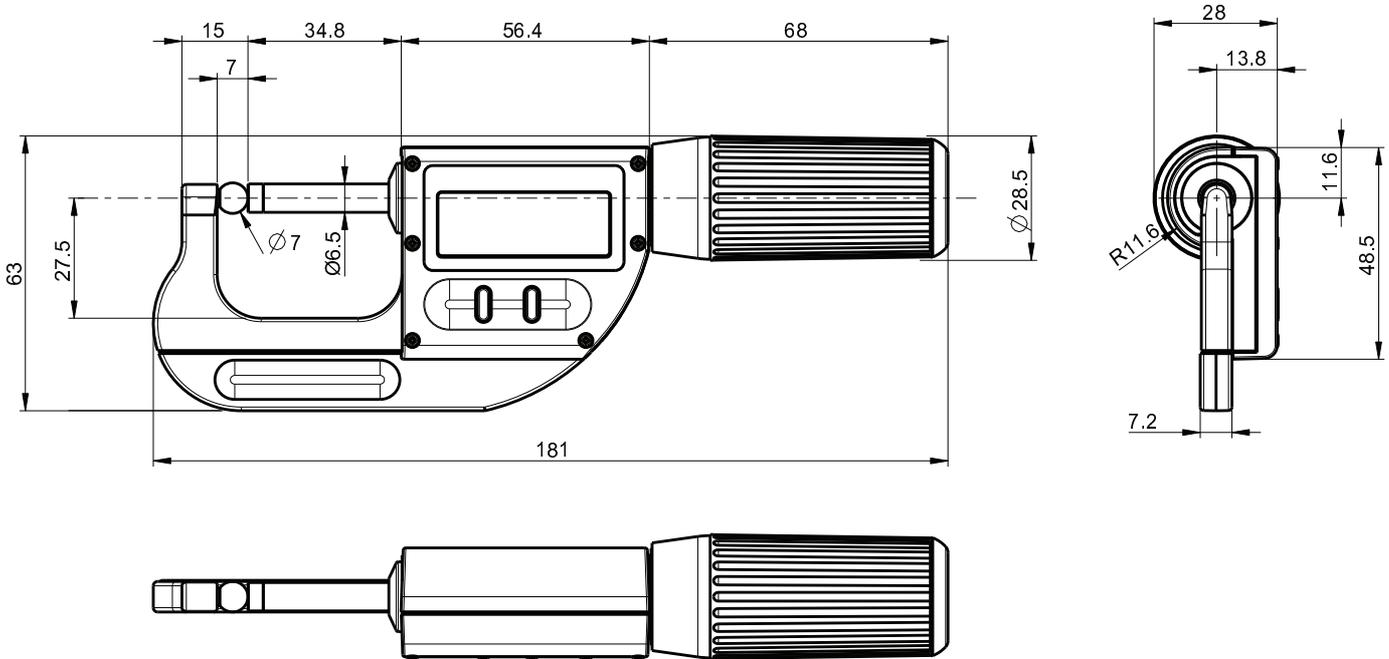
<sup>3)</sup> see cables chapter

# Professional micrometer

# S\_Mike PRO

## A DIMENSIONAL DRAWING

FLAT Ø6.5 / SPHERICAL Ø7



## TECHNICAL SPECIFICATIONS

		903.0304
Measuring range	mm	0-30
Max. Error G <sup>1)</sup>	µm	3
Repeatability <sup>2)</sup>	µm	1
Parallelism	µm	1
Anvils types		Ø7 flat and Ø7 spherical
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>
Prot. rating accor. to IEC 60529		IP67 even connected
Setting by PC		●
Adjustable measuring force		5N / 10N
Non-rotating spindle		●
Fast movement		●
Preset function		●
Smart Inductive Sensor		●

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter

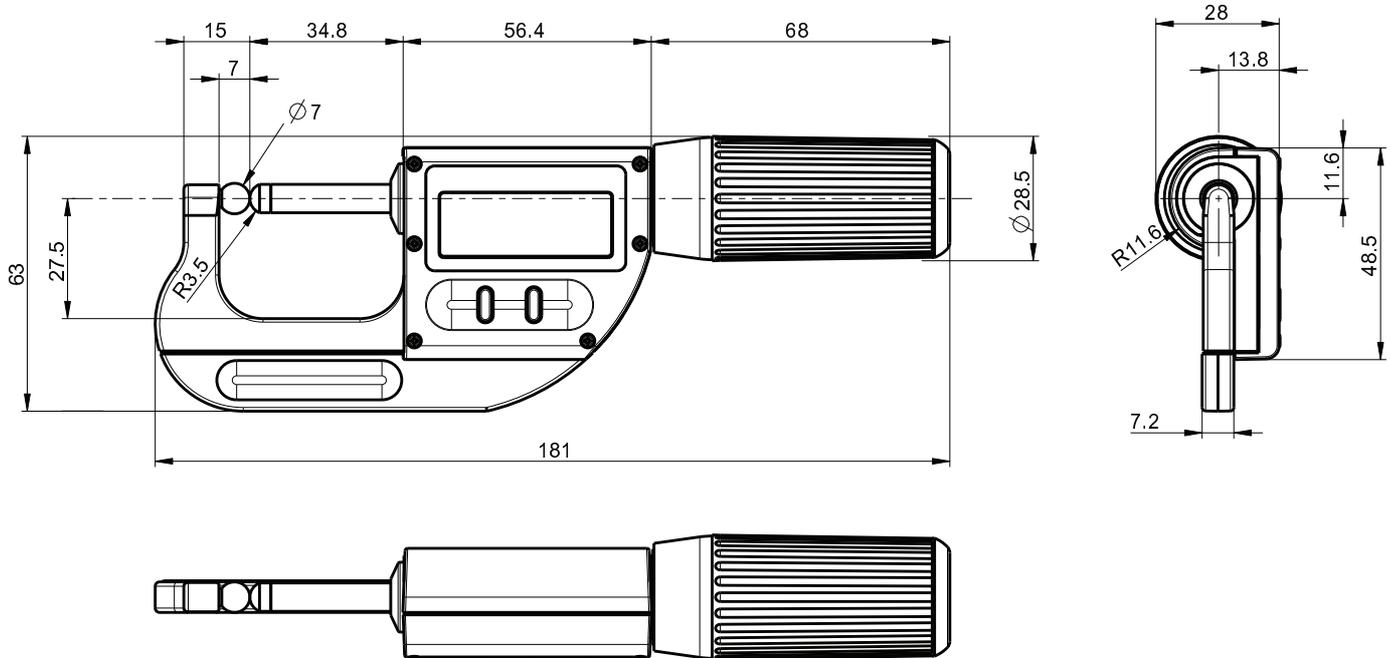
# Professional micrometer

# S\_Mike PRO

DIMENSIONAL DRAWING

SPHERICAL Ø7

A



## TECHNICAL SPECIFICATIONS

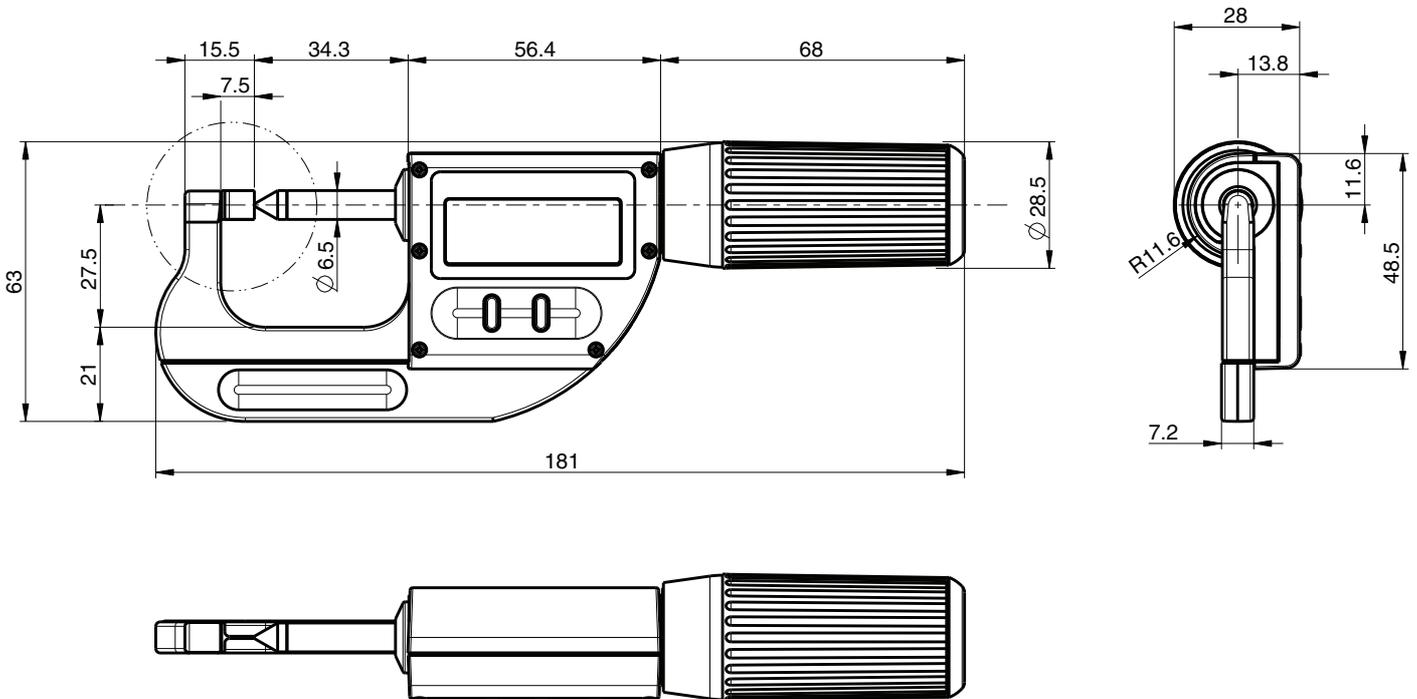
		903.0305
Measuring range	mm	0-30
Max. Error G <sup>1)</sup>	$\mu\text{m}$	4
Repeatability <sup>2)</sup>	$\mu\text{m}$	1
Anvils types		$\varnothing 7$ 2 spherical
S_Connect : Proximity		USB / RS 232 / Wireless <sup>3)</sup>
Prot. rating accor. to IEC 60529		IP67 even connected
Setting by PC		●
Adjustable measuring force		5N / 10N
Non-rotating spindle		●
Fast movement		●
Preset function		●
Smart Inductive Sensor		●

<sup>1)</sup> according to DIN 863

<sup>2)</sup>  $\pm 1$  digit

<sup>3)</sup> see cables chapter

Built-in Bluetooth® **Cable crimping**



## TECHNICAL SPECIFICATIONS

		803.0309
Measuring range	mm	0-25
Max. Error G <sup>1)</sup>	µm	3
Repeatability <sup>2)</sup>	µm	1
Anvils types		Knife 0.5mm - cone 30°/Ø0.5mm
S_Connect : Proximity		Bluetooth® wireless technology*
Prot. rating accor. to IEC 60529		IP67 even connected
Setting by PC		●
Adjustable measuring force		5N / 10N
Non-rotating spindle		●
Fast movement		●
Preset function		●
Smart Inductive Sensor		●

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter

# Professional micrometer

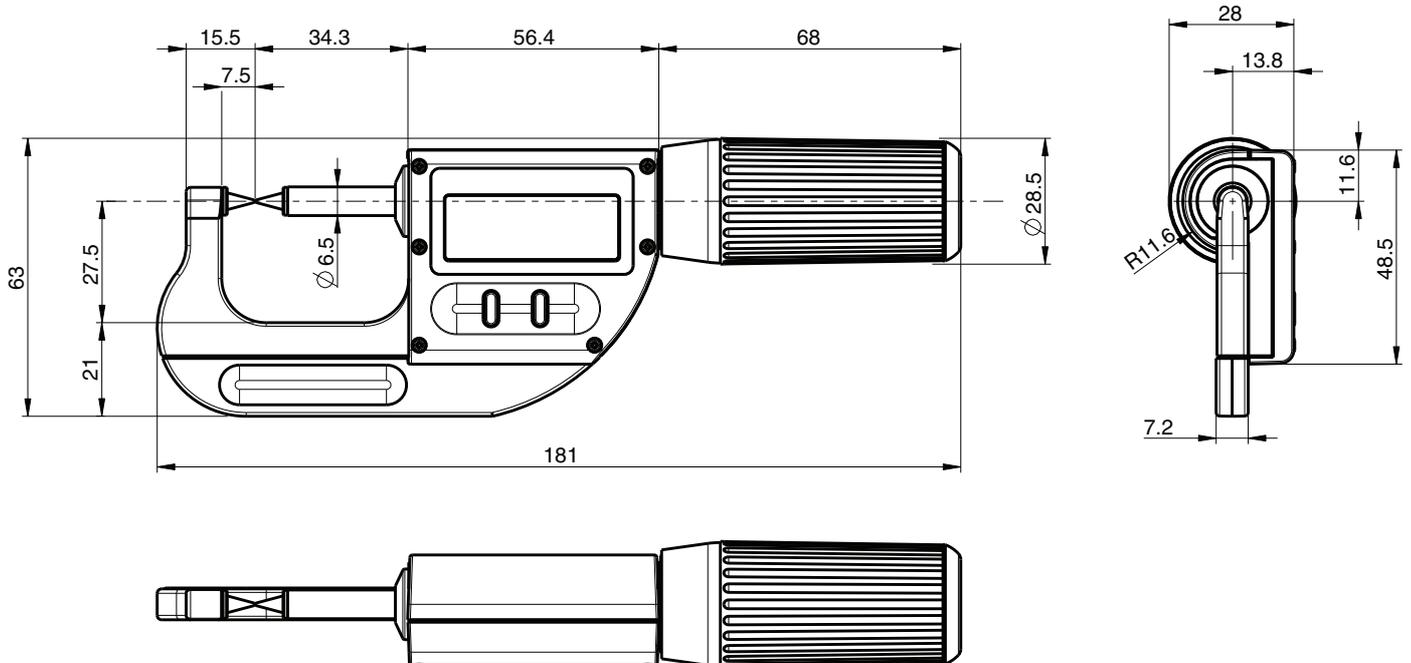
# S\_Mike PRO

DIMENSIONAL DRAWING

POINT / SPHERICAL

A

 Built-in Bluetooth **Point**



## TECHNICAL SPECIFICATIONS

		803.0310
Measuring range	mm	0-25
Max. Error G <sup>1)</sup>	µm	3
Repeatability <sup>2)</sup>	µm	1
Anvils types		Point 30° - spherical Ø3mm
S_Connect : Proximity		Bluetooth® wireless technology*
Prot. rating accor. to IEC 60529		IP67 even connected
Setting by PC		●
Adjustable measuring force		5N / 10N
Non-rotating spindle		●
Fast movement		●
Preset function		●
Smart Inductive Sensor		●

<sup>1)</sup> according to DIN 863

<sup>2)</sup> ± 1 digit

<sup>3)</sup> see cables chapter

# Professional micrometer

# S\_Mike PRO

## A BASIC INSTRUMENT



903.1301



910.1301 including:  
910.1502, 903.0300 and 903.0330



910.1304 including:  
810.1506, 803.0306 and 805.6301

		903.1300	903.1301	910.1301	910.1304
Measuring range	mm	0-102	0-102	150 / 0-30	150 / 0-30 / 12.5
Plastic case		●	-	-	●
Aluminium case		-	●	●	-
Connexion		USB / RS 232 / Wireless			Bluetooth® wireless technology*

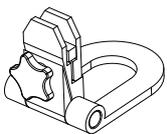
## BASIC INSTRUMENT

- Instrument according to technical specifications
- Standard bar 50 mm (for 903.060X)
- Standard bar 75 mm (for 903.100X)
- Lithium battery CR2032 included
- Instruction manual
- Calibration certificate

## MICROMETERS SETS

- 903.0300 / 0600 / 1000
- Standard bar 50 mm
- Standard bar 75 mm
- Lithium battery CR2032 included
- Instruction manual
- Calibration certificate

## ACCESSORIES



<b>903.0330</b>	Stand
<b>903.0620</b>	Standard bar 50 mm
<b>903.1020</b>	Standard bar 75 mm
<b>903.1620</b>	Standard bar 125 mm

# Professional micrometer

# S\_Mike PRO

## MODELS

A



Cylindrical Ø6.5mm Proximity /  
Cylindrical Ø6.5mm Bluetooth®



Disk Ø25mm



Ball-Ball Ø7mm



Flat Ø6.5mm-Ball Ø7mm



Knife 0.75x6.5mm



Cylindrical Ø2mm



Cable crimping Knife 0.5mm -  
cone 30° / Ø0.5mm Bluetooth®



Point 30° - ball Ø3mm Bluetooth®

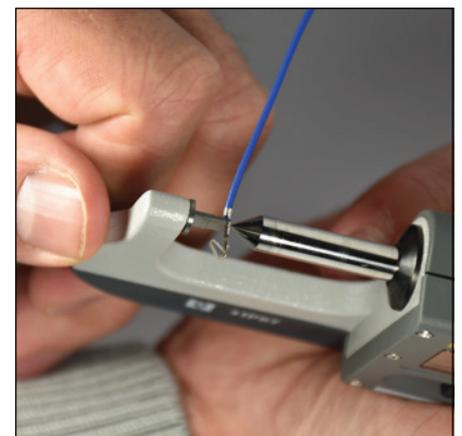
## APPLICATIONS



Part measurement with a S\_Mike PRO Disk



Length measurement of a lathed part

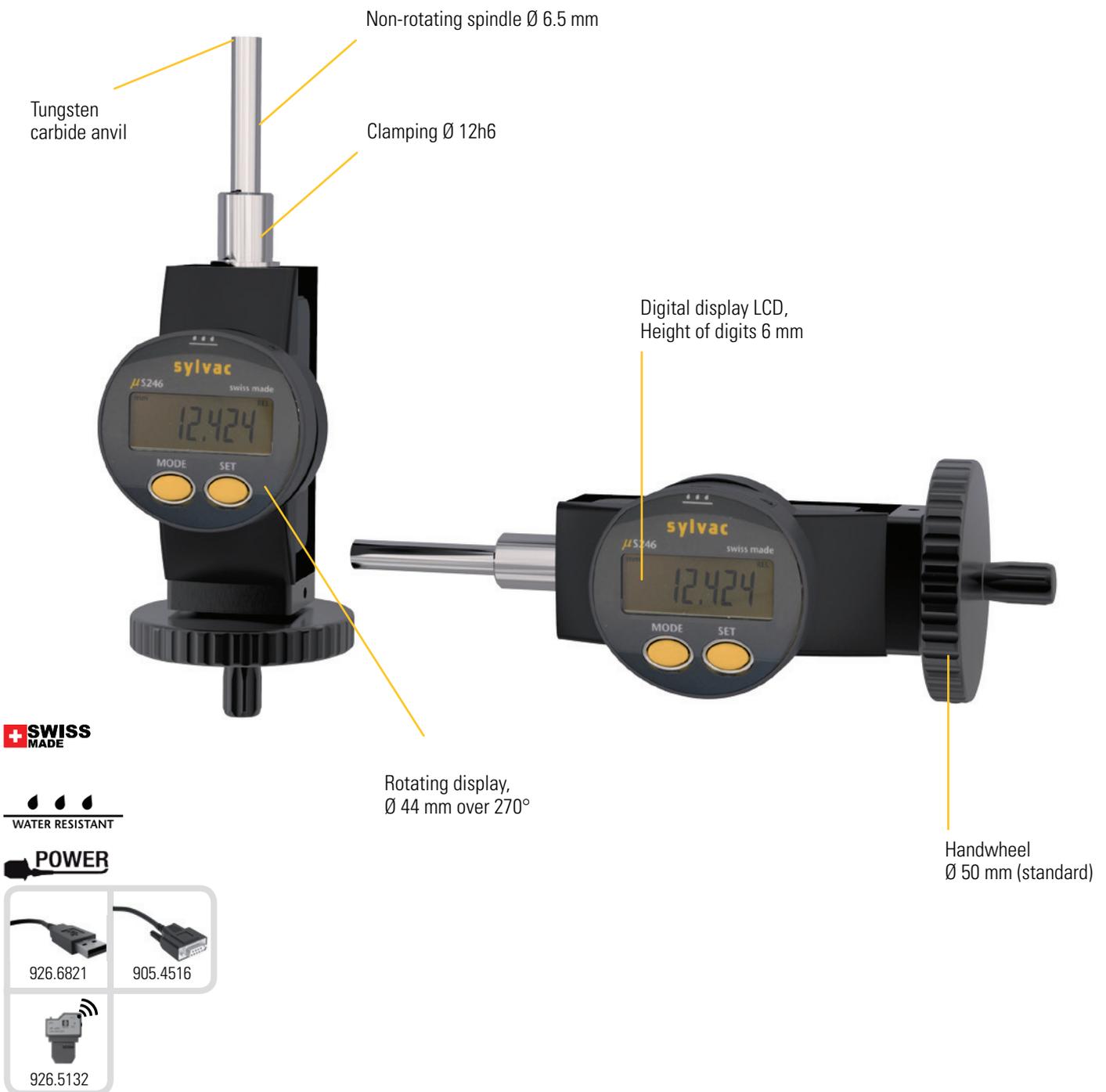


Cable crimping measurement

# Digital micrometer screws

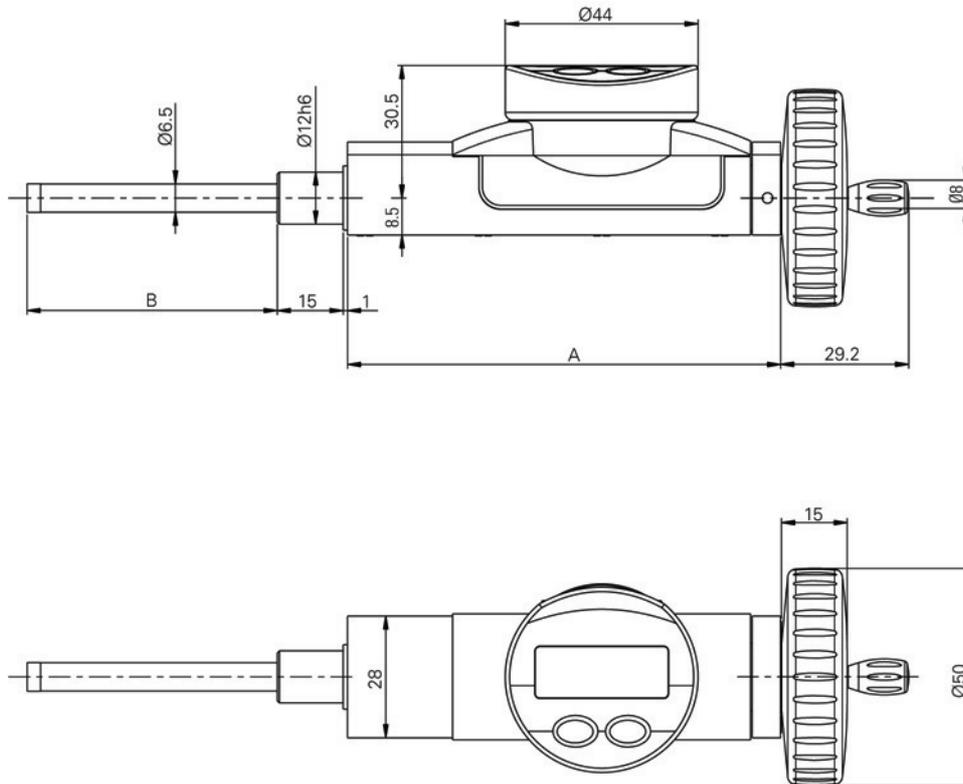
## DESCRIPTION

- Data output RS232, combined with external power supply
- Fine adjustment available (accessories)
- Horizontal and Vertical use (same type)
- Reduced dimensions (compact)
- Other handwheels on request



# Digital micrometer screws

## DIMENSIONAL DRAWING



## TECHNICAL SPECIFICATIONS

		852.2001	852.2011
Measuring range	mm	0-25	0-50
Max. Error	µm	5	8
Repeatability	µm	2	2
Resolution	mm	0.001	0.001
A	mm	74.5	98.5
B	mm	33.1	57.1
S_Connect : Power	USB / RS232 / Wireless <sup>1)</sup>		
Selection of measuring direction	•		
PRESET function	•		
Absolute or relative measurement	•		

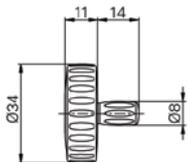
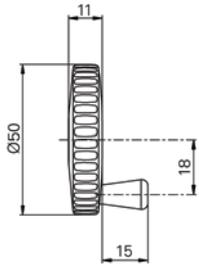
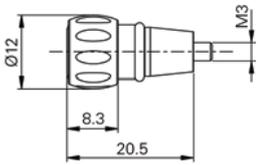
<sup>1)</sup> see cables chapter

# Digital micrometer screws

## A BASIC INSTRUMENT

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Handwheel Ø 50 mm (852.2311)
- Calibration certificate

## ACCESSORIES



<b>852.2310</b>	Fine adjustment device
<b>852.2311</b>	Handwheel Ø 50 mm with crank handle for fast motion
<b>852.2312</b>	Handwheel Ø 34 mm

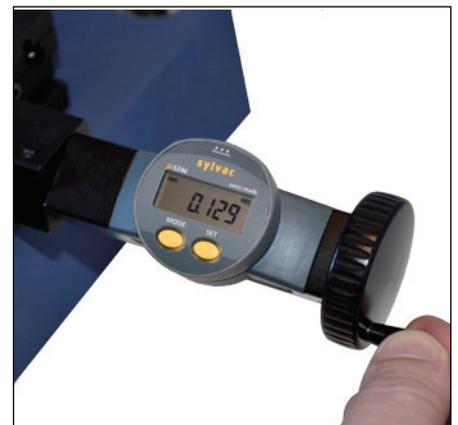
## APPLICATIONS



Fine adjustment device type 852.2310



Use on measuring microscope



Handwheel use