

Professional micrometer

S_Mike PRO

A

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

Measuring surface
in hard metal

Non-rotating spindle Ø 6.5 mm

Fast handle movement
with ratchet



Simple and friendly
functions

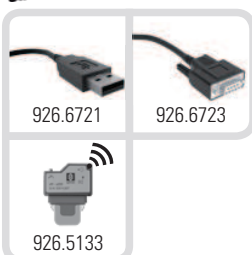
**SWISS
MADE**

SIS Smart
Inductive
System

WATER RESISTANT

IP67

PROXIMITY Built-in **Bluetooth®**



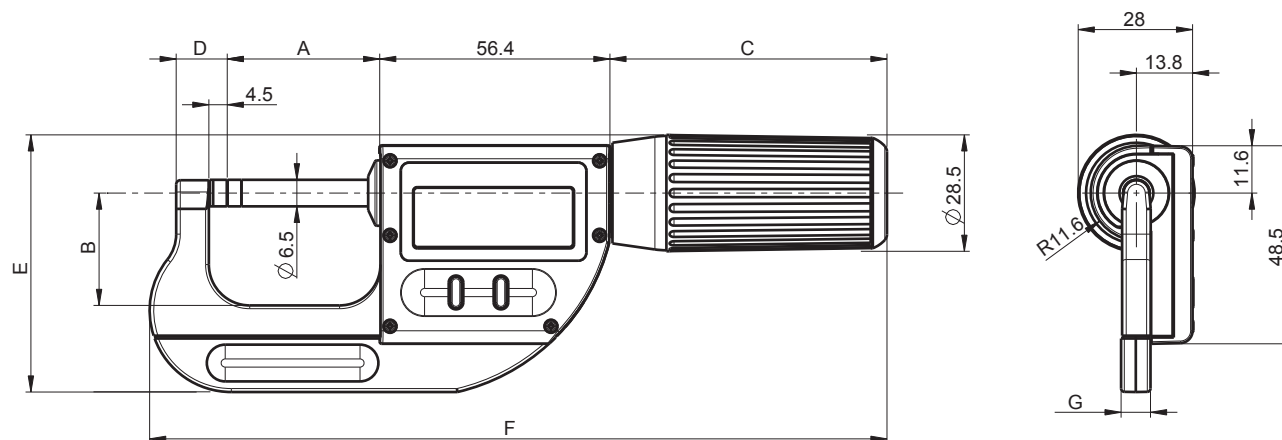
Professional micrometer

S_Mike PRO

DIMENSIONAL DRAWING

CYLINDRICAL Ø6.5

A



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 ¹⁾	µm	3	4	5	7	8
Repeatability ²⁾	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 ³⁾				
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		●				

¹⁾ according to DIN 863

²⁾ ± 1 digit

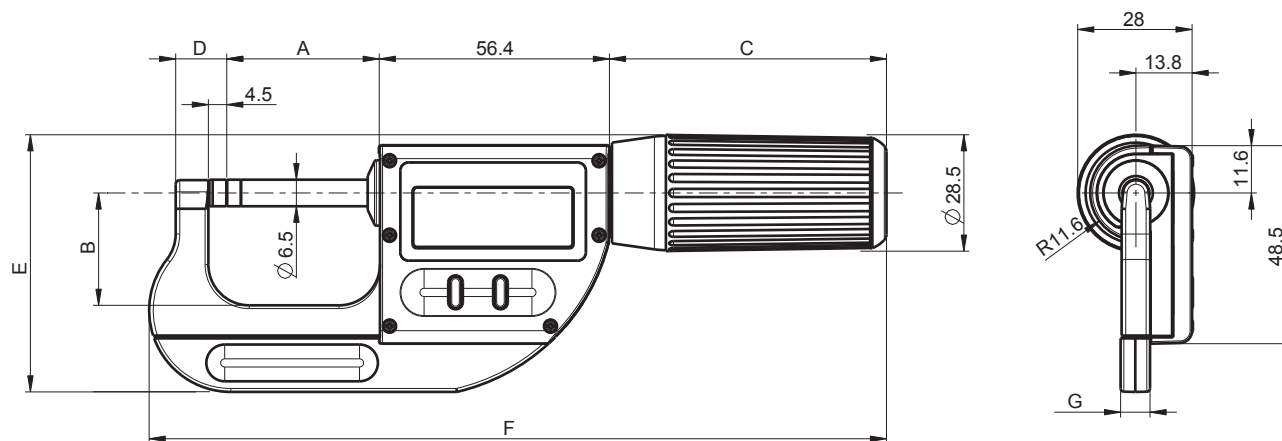
³⁾ see cables chapter

Professional micrometer

S_Mike PRO

A DIMENSIONAL DRAWING

CYLINDRICAL Ø6.5 BLUETOOTH®



TECHNICAL SPECIFICATIONS

		803.0306	903.0606	903.1006
Measuring range	mm	0-30	30-66	66-102
Max. Error G ¹⁾	µm	3	4	5
Repeatability ²⁾	µm	1	1	1
Anvils types		Ø6.5 ³⁾		
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		●		

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ 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

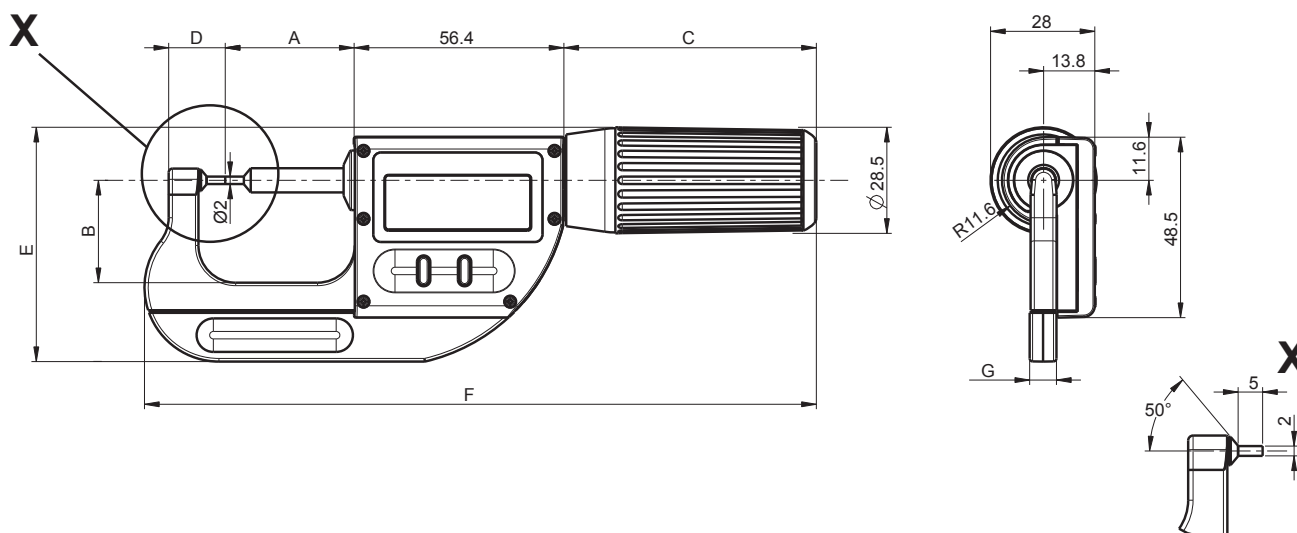
Professional micrometer

S_Mike PRO

DIMENSIONAL DRAWING

CYLINDRICAL Ø2

A



TECHNICAL SPECIFICATIONS

		803.0301	903.0601	903.1001	803.0307
Measuring range	mm	0-25	25-60	60-95	0-25
Max. Error G ¹⁾	µm	3	4	5	3
Repeatability ²⁾	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 ³⁾			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		●			

¹⁾ according to DIN 863

²⁾ ± 1 digit

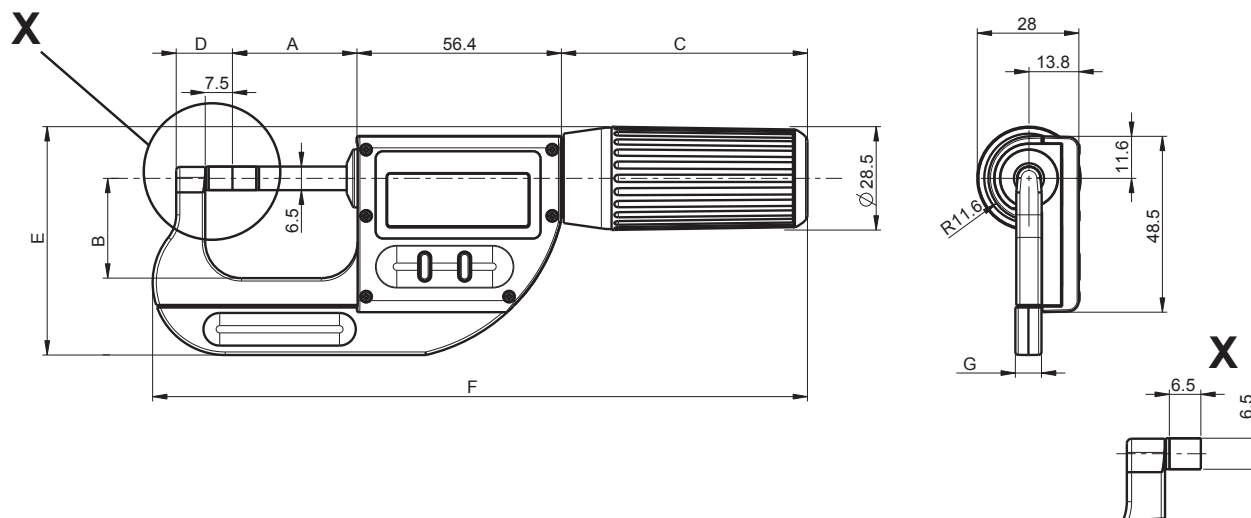
³⁾ see cables chapter

Professional micrometer

S_Mike PRO

A DIMENSIONAL DRAWING

KNIFE-SHAPED



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 ¹⁾	µm	3	4	5	6	7	3
Repeatability ²⁾	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 ³⁾					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		●					

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ see cables chapter

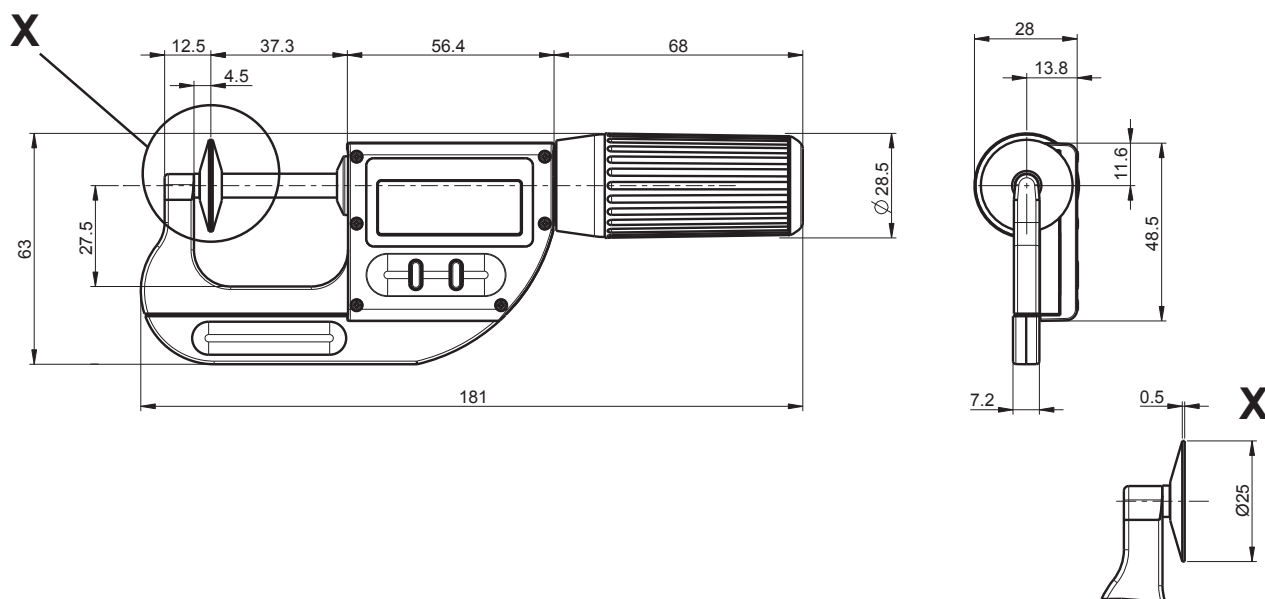
Professional micrometer

S_Mike PRO

DIMENSIONAL DRAWING

DISC-SHAPED

A



TECHNICAL SPECIFICATIONS

		803.0303
Measuring range	mm	0-30
Max. Error G ¹⁾	μm	4 (full-touch-contact) / 10 (partial contact)
Repeatability ²⁾	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 ³⁾
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		●

¹⁾ according to DIN 863

²⁾ ± 1 digit

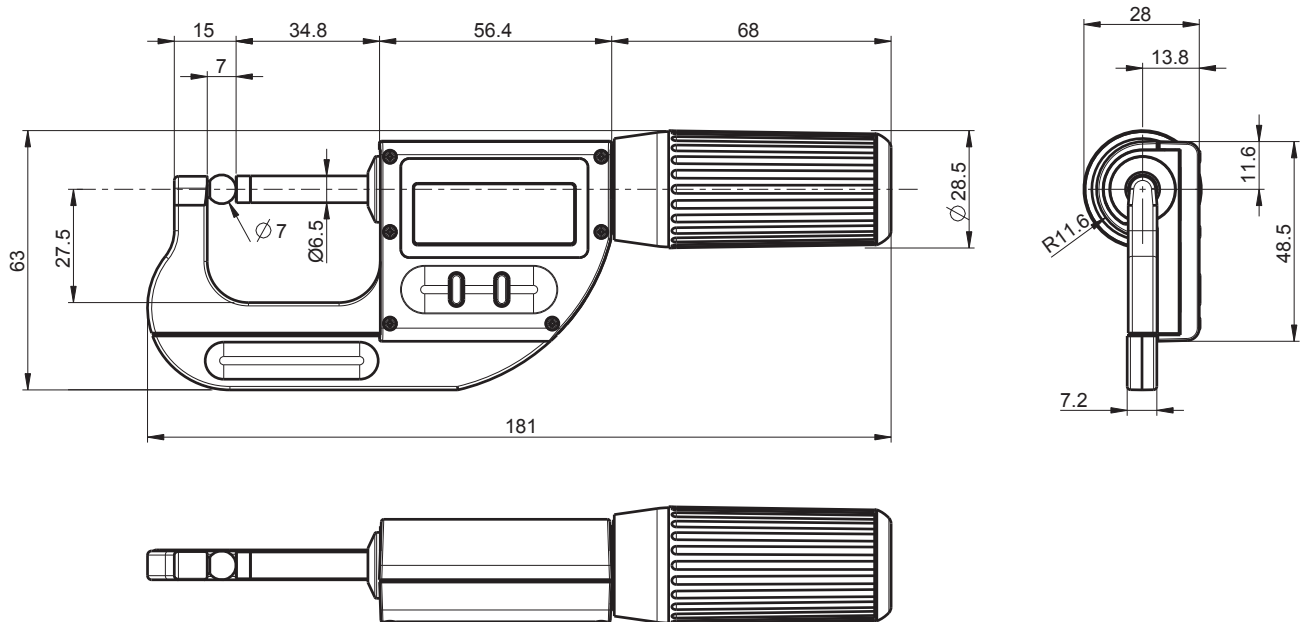
³⁾ see cables chapter

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 ¹⁾	µm	3
Repeatability ²⁾	µm	1
Parallelism	µm	1
Anvils types		Ø7 flat and Ø7 spherical
S_Connect : Proximity		USB / RS 232 / Wireless ³⁾
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		●

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ see cables chapter

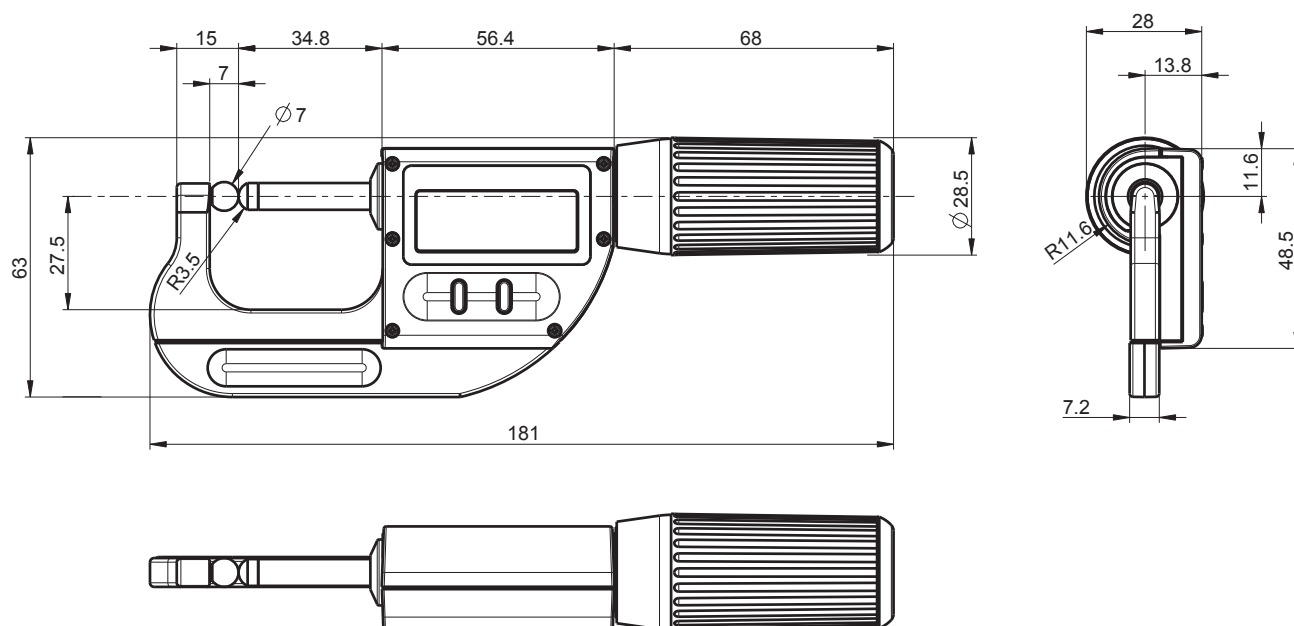
Professional micrometer

S_Mike PRO

DIMENSIONAL DRAWING

SPHERICAL Ø7

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TECHNICAL SPECIFICATIONS

		903.0305
Measuring range	mm	0-30
Max. Error G ¹⁾	µm	4
Repeatability ²⁾	µm	1
Anvils types		Ø7 2 spherical
S_Connect : Proximity		USB / RS 232 / Wireless ³⁾
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		●

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ see cables chapter

Professional micrometer

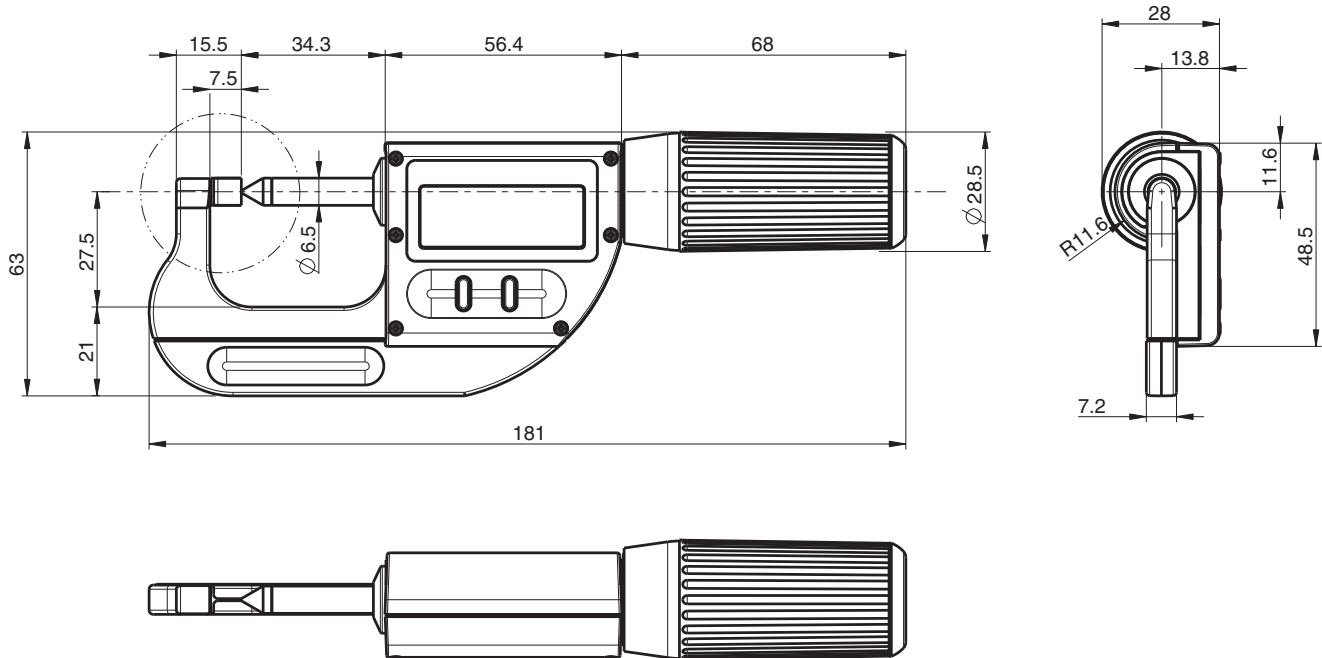
S_Mike PRO

A DIMENSIONAL DRAWING

KNIFE-SHAPED / CONE



Cable crimping



TECHNICAL SPECIFICATIONS

		803.0309
Measuring range	mm	0-25
Max. Error G ¹⁾	μm	3
Repeatability ²⁾	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		•

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ see cables chapter

Professional micrometer

S_Mike PRO

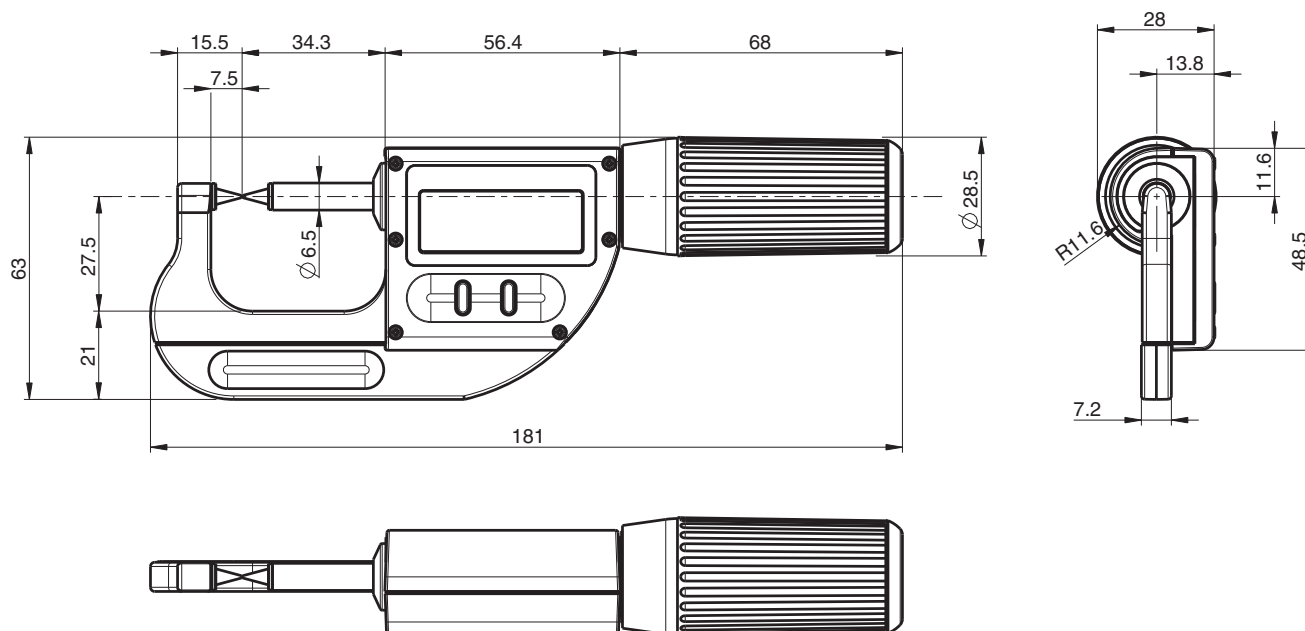
DIMENSIONAL DRAWING

POINT / SPHERICAL

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Point



TECHNICAL SPECIFICATIONS

		803.0310
Measuring range	mm	0-25
Max. Error G ¹⁾	μ m	3
Repeatability ²⁾	μ m	1
Anvils types		Point 30° - spherical $\varnothing 3$ mm
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		●

¹⁾ according to DIN 863

²⁾ ± 1 digit

³⁾ 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*

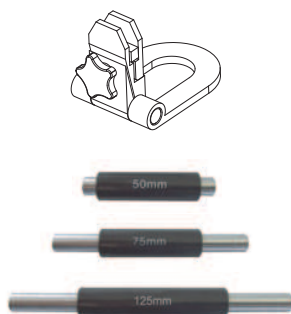
BASIC INSTRUMENT

- 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



903.0330	Stand
903.0620	Standard bar 50 mm
903.1020	Standard bar 75 mm
903.1620	Standard bar 125 mm

Professional micrometer

S_Mike PRO

MODELS

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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®

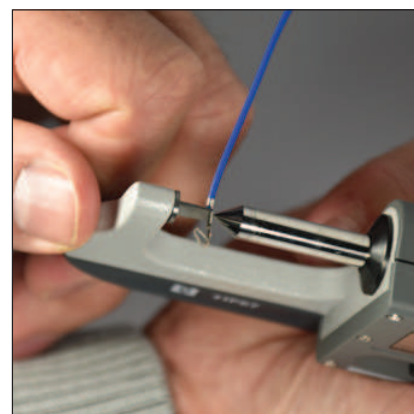
APPLICATIONS



Part measurement with a S_Mike PRO Disk



Length measurement of a lathed part

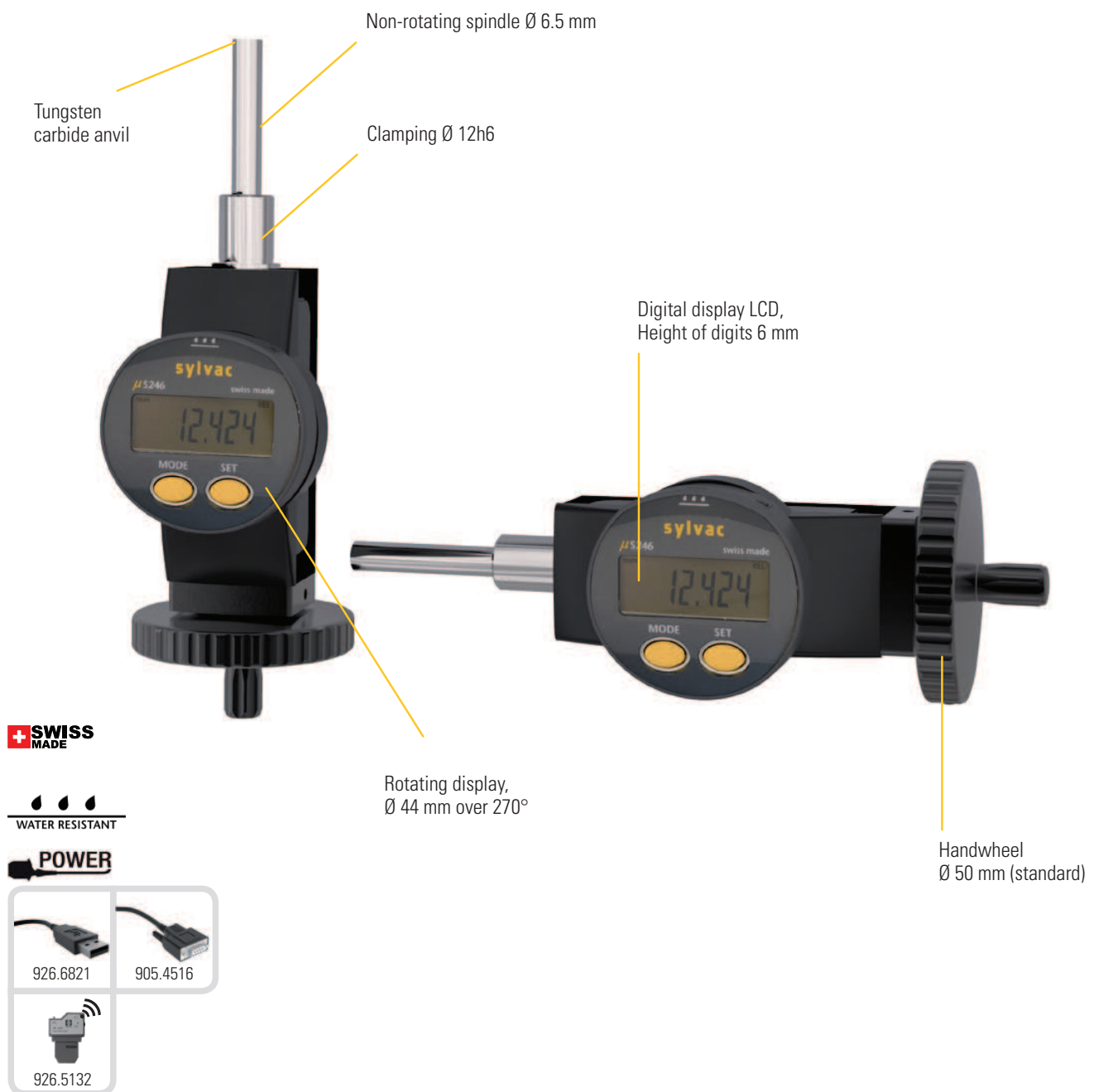


Cable crimping measurement

Digital micrometer screws

A DESCRIPTION

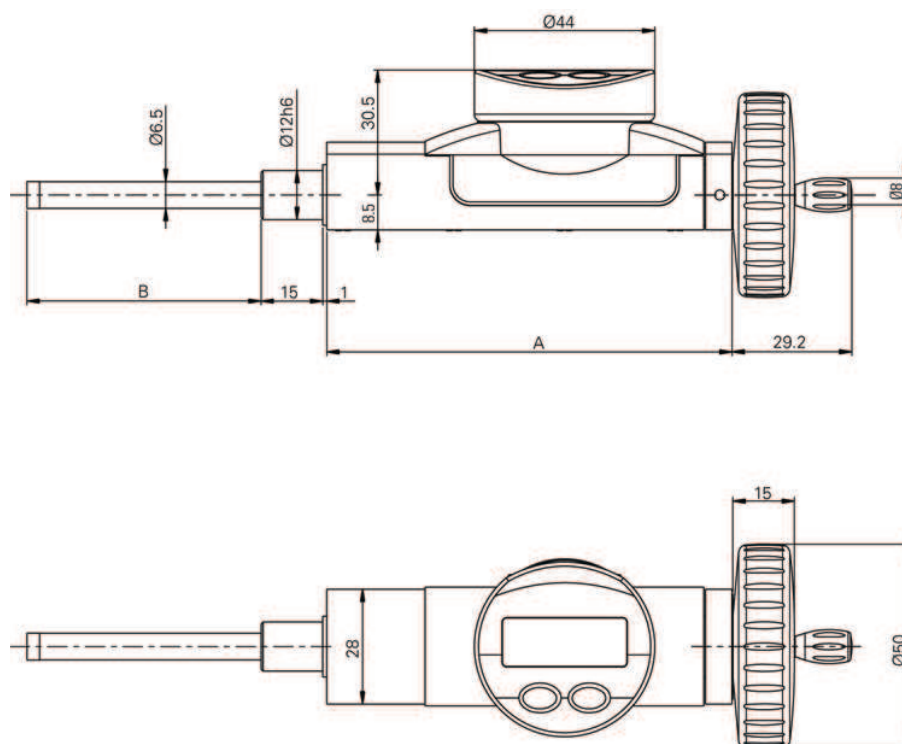
- Data output RS232, combined with external power supply
- Fine adjustment available (accessories)
- Horizontal and Vertical use (same type)
- Reduced dimensions (compact)
- Other handwheels on request



Digital micrometer screws

DIMENSIONAL DRAWING

A



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 ¹⁾	
Selection of measuring direction		•	
PRESET function		•	
Absolute or relative measurement		•	

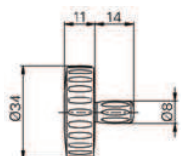
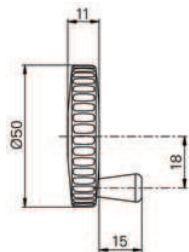
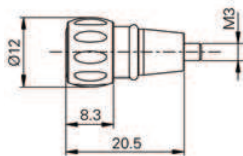
¹⁾ see cables chapter

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



852.2310

Fine adjustment device

852.2311

Handwheel Ø 50 mm with crank handle for fast motion

852.2312

Handwheel Ø 34 mm

APPLICATIONS



Fine adjustment device type 852.2310



Use on measuring microscope



Handwheel use