

SMALL & MID-SIZE INSTRUMENTS

Sylvac's innovation and ingenuity are perfectly represented by the small and mid-size instruments described in this chapter.

You will find there, as a world première, the digital thickness gauge, the protractor, micrometer screws and much more.

Sylvac inductive measuring system (patented)

Data output

Power supply: Lithium battery 3V, Type CR 2032



Digital thickness gauge

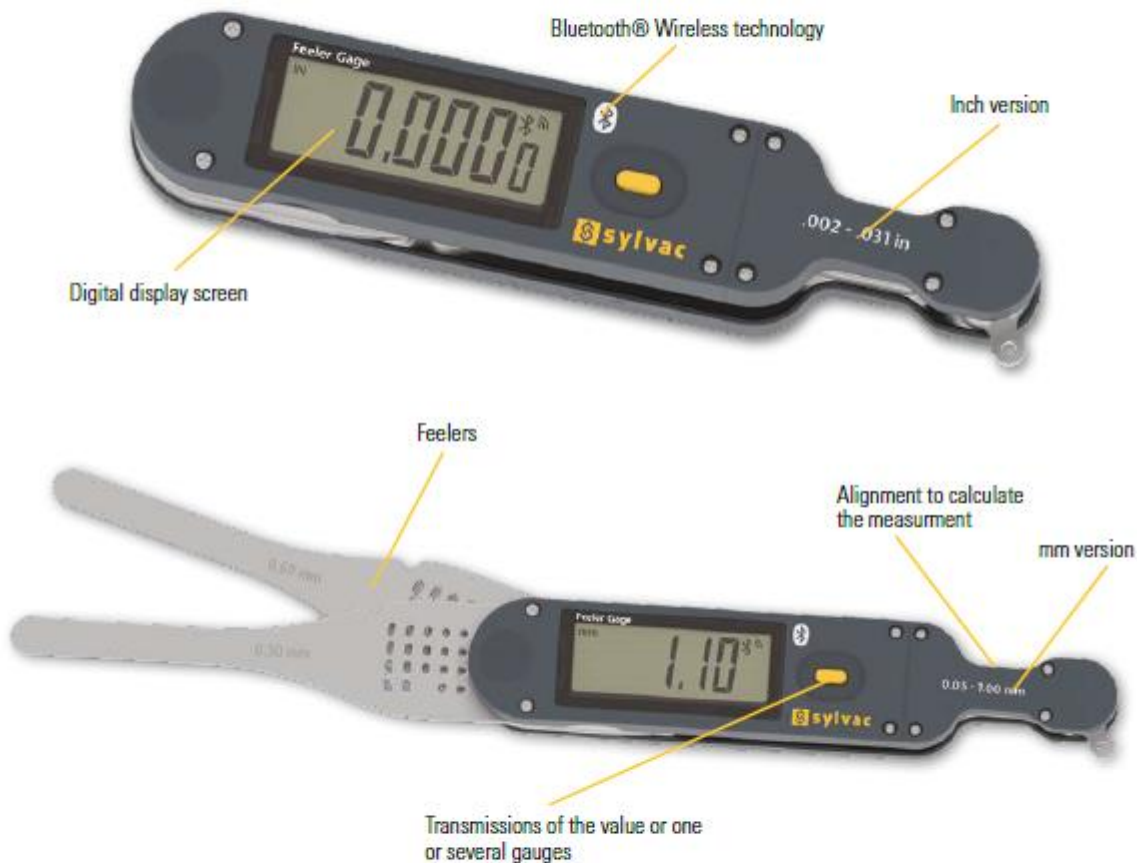
Feeler Gage Smart

DESCRIPTION

- Digital thickness gauge with **integrated Bluetooth® Wireless technology**
- **For gap measurement and setting with data transmission**
- Thickness: 0.05...1.00mm, 0.04...1.00mm ou 0.0020...0.0310inch
- First Sylvac instrument with HID technology
- Versions with 14, 19 or 20 gauges (according to model)
- Alignment of feelers in one crimp between the thumb and index finger
- Calculation and display of the stacking value of several gauges
- Instrument with a modern design that is easy to use



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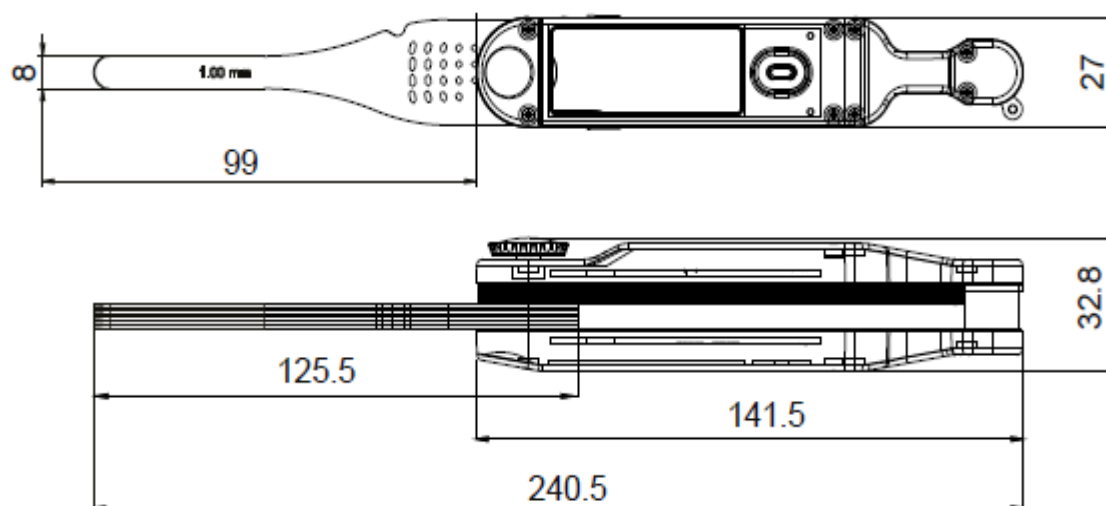
HID technology

Transmission of data into any software or application, without dongle. Can be used with Microsoft (W7, 8, 10), Android or Apple.



Digital thickness gauge Feeler Gage Smart

DIMENSIONAL DRAWING



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Model 921.0100

The thickness may differ slightly for the other models according to the number of gauges.

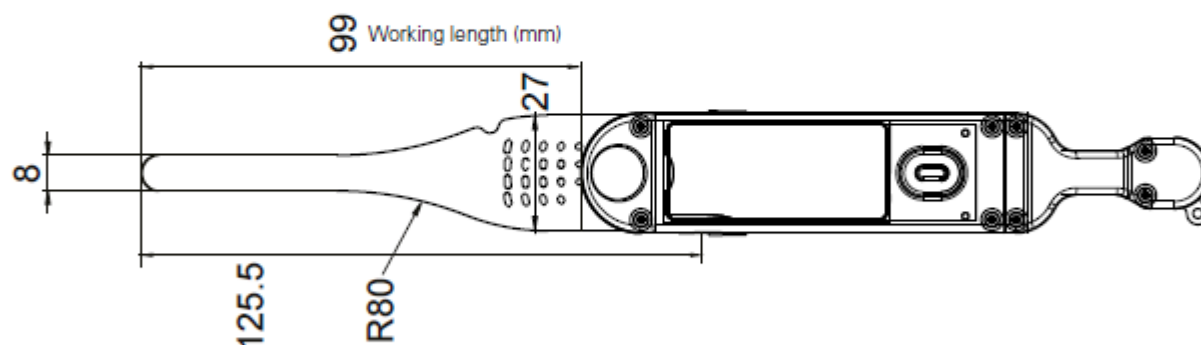
TECHNICAL SPECIFICATIONS

		921. 0100	921. 0110	921. 0114
Type of version		mm	mm	inch
Measurement capacity	mm/in	0.05...1.00 mm	0.04...1.00 mm	0.0020...0.0310 in
Feelers thickness	mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00	0.0020, 0.0030, 0.0040, 0.0050, 0.0060, 0.0070, 0.0080, 0.0090, 0.0100, 0.0120, 0.0150, 0.0200, 0.0250, 0.0310
Usable length	mm	99		
Thickness Tolerance Class according to DIN 2275		TC1		
Protection rating according to IEC 529		IP65		
Output data		Bluetooth® wireless technology*		
Number of feelers		20	19	14
Weigth	g	280	224	212
Functions		Unit (mm/inch)		

Digital thickness gauge

Feeler Gauge Smart

REPLACEMENT FEELERS



Model 921.0100
Metric Feeler Gauge
0.05...1.00mm
20 blades

Model 921.0110
Metric Feeler Gauge
0.04...1.00mm
19 blades

Model 921.0114
Imperial Feeler Gauge
0.0020...0.0310in
14 blades

Reference	Thickness (mm)	Tolerance (mm)
921.1001	0.05	±0.004
921.1006	0.10	±0.005
921.1007	0.15	±0.006
921.1008	0.20	±0.006
921.1009	0.25	±0.007
921.1010	0.30	±0.007
921.1011	0.35	±0.008
921.1012	0.40	±0.009
921.1013	0.45	±0.009
921.1014	0.50	±0.010
921.1015	0.55	±0.011
921.1016	0.60	±0.011
921.1017	0.65	±0.012
921.1018	0.70	±0.012
921.1019	0.75	±0.013
921.1020	0.80	±0.014
921.1021	0.85	±0.014
921.1022	0.90	±0.015
921.1023	0.95	±0.016
921.1024	1.00	±0.017

Reference	Thickness (mm)	Tolerance (mm)
921.1000	0.04	±0.004
921.1001	0.05	±0.004
921.1002	0.06	±0.004
921.1003	0.07	±0.004
921.1004	0.08	±0.004
921.1005	0.09	±0.004
921.1006	0.10	±0.005
921.1007	0.15	±0.006
921.1008	0.20	±0.006
921.1009	0.25	±0.007
921.1010	0.30	±0.007
921.1011	0.35	±0.008
921.1012	0.40	±0.009
921.1014	0.50	±0.010
921.1016	0.60	±0.011
921.1018	0.70	±0.012
921.1020	0.80	±0.014
921.1022	0.90	±0.015
921.1024	1.00	±0.017

Reference	Thickness (in)	Tolerance (mm)
921.1025	0.0020	±0.004
921.1026	0.0030	±0.004
921.1027	0.0040	±0.004
921.1028	0.0050	±0.005
921.1029	0.0060	±0.005
921.1030	0.0070	±0.006
921.1031	0.0080	±0.006
921.1032	0.0090	±0.006
921.1033	0.0100	±0.006
921.1034	0.0120	±0.007
921.1035	0.0150	±0.008
921.1036	0.0200	±0.009
921.1037	0.0250	±0.011
921.1038	0.0301	±0.012

Material of the feelers : spring tempered stainless steel 1.4310 / alloy 301

Digital thickness gauge

Feeler Gage Smart

STANDARD DELIVERY

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Lanyard

APPLICATIONS

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Gap measurement



Gap measurement



Gap setting



Valve adjustment

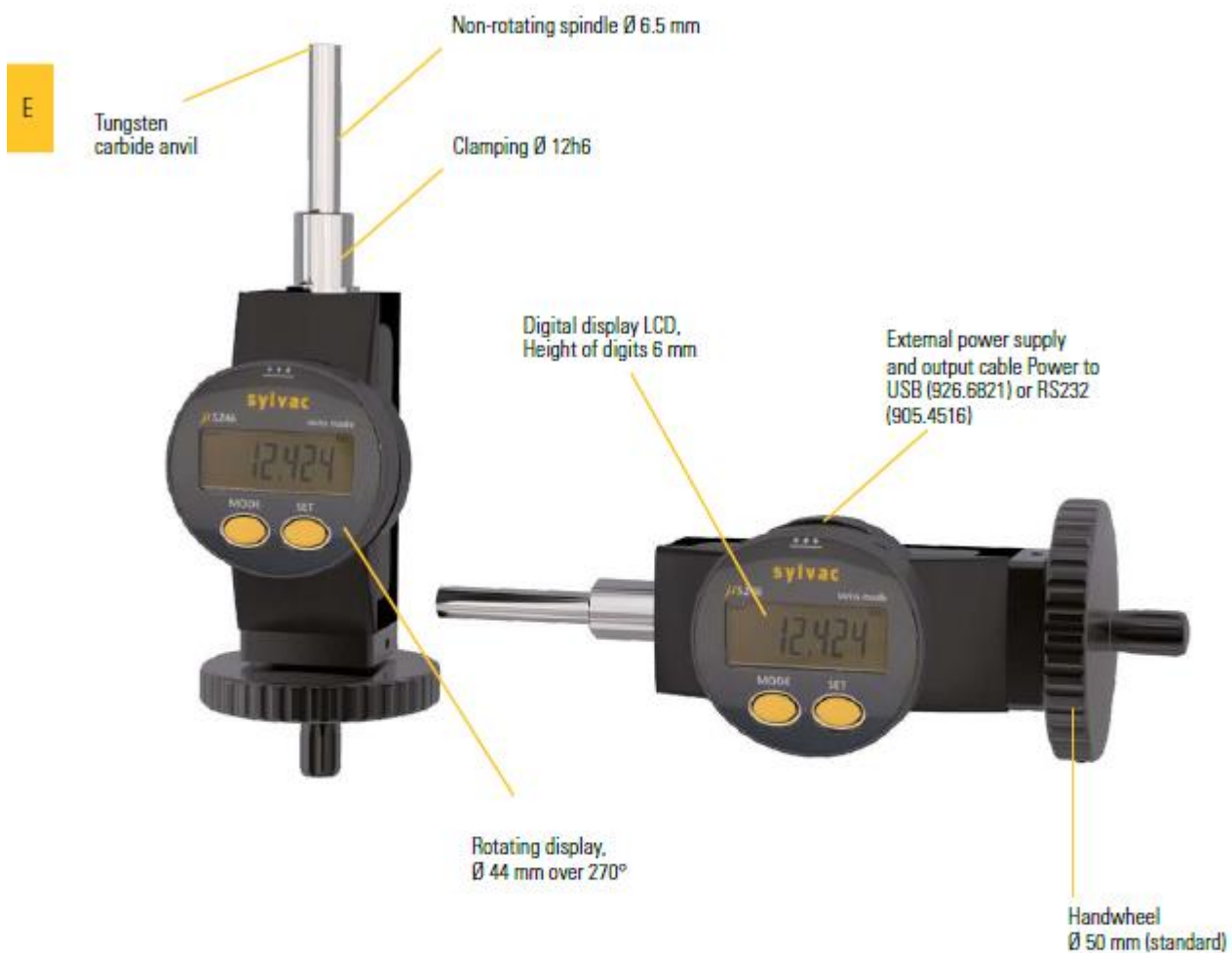


Data transmission via HID

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



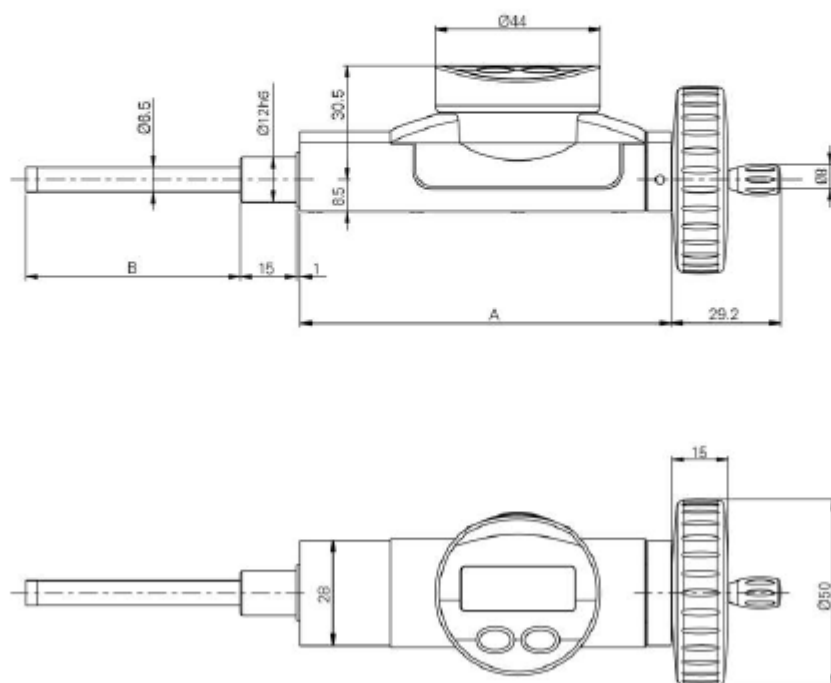
POWER

SWISS
MADE

WATER RESISTANT

Digital micrometer screws

DIMENSIONAL DRAWING



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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
Output data		USB / RS232 ¹⁾	
Selection of measuring direction		•	
PRESET function		•	
Absolute or relative measurement		•	

¹⁾ see cables chapter

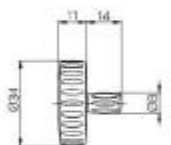
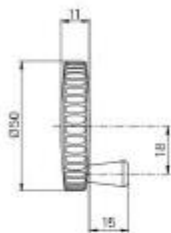
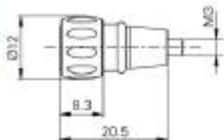
Digital micrometer screws

STANDARD DELIVERY

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

ACCESSORIES

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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

Protractor

S239 Smart

DESCRIPTION

- Integrated Bluetooth® Wireless technology, Power & Proximity
- Measuring range 1x360°, 2x180°, 4x90°
- Mechanical parts in stainless steel



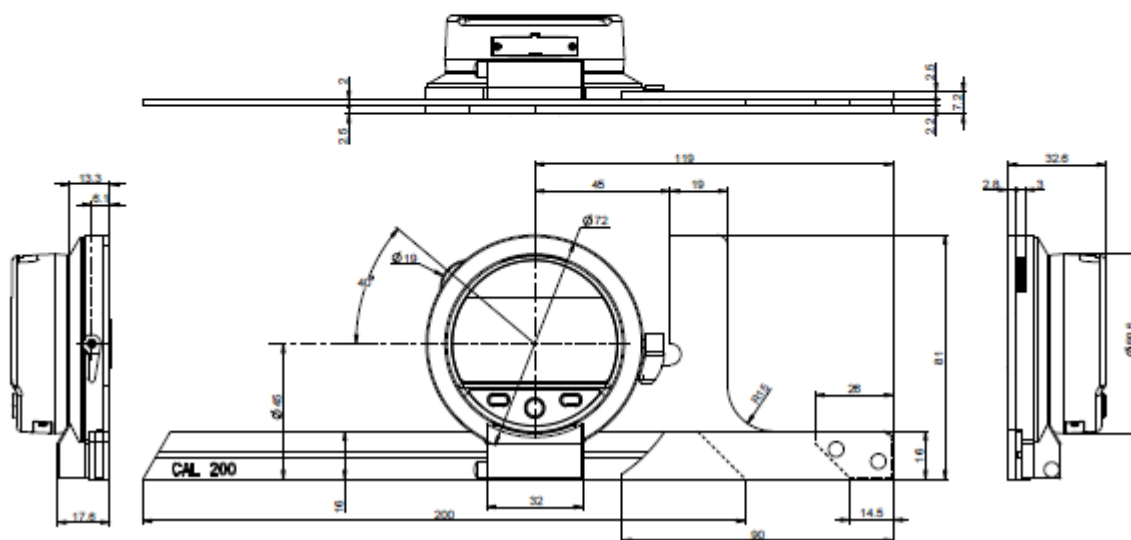
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Protractor

S239 Smart

DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

	820.1706
Measuring range	1x360°, 2x180°, 4x90°
Accuracy	4 minutes of arc / 0.06° / 0.0012 rad
Resolution	0.01° / 1 minute of arc (0°01') / 0.0001rad
Repeatability	0.01°
Max. rotation speed	1080° / sec
Protection rating according to IEC 529	IP54
Output data	Bluetooth® wireless technology* / USB / RS232
Functions	Unit (deg, rad or d-m), reference, Preset, Measurement direction, mode MIN/MAX/DELTA, tolerance display, switch off, keypad lock

¹⁾ see cables chapter

* Up to 8 instruments connected per dongle #981.7100
More informations on How to use Bluetooth® leaflet SYL_1401_EN_BT

STANDARD DELIVERY

- Instrument according to technical specifications
- Wooden box ²⁾
- Scale 200 mm (820.2420)
- Lithium battery CR2032 included
- Instruction manual

²⁾ Fumigated, compatible ISPM 15 and NIMP 15

Measurement with accessory type 820.2461



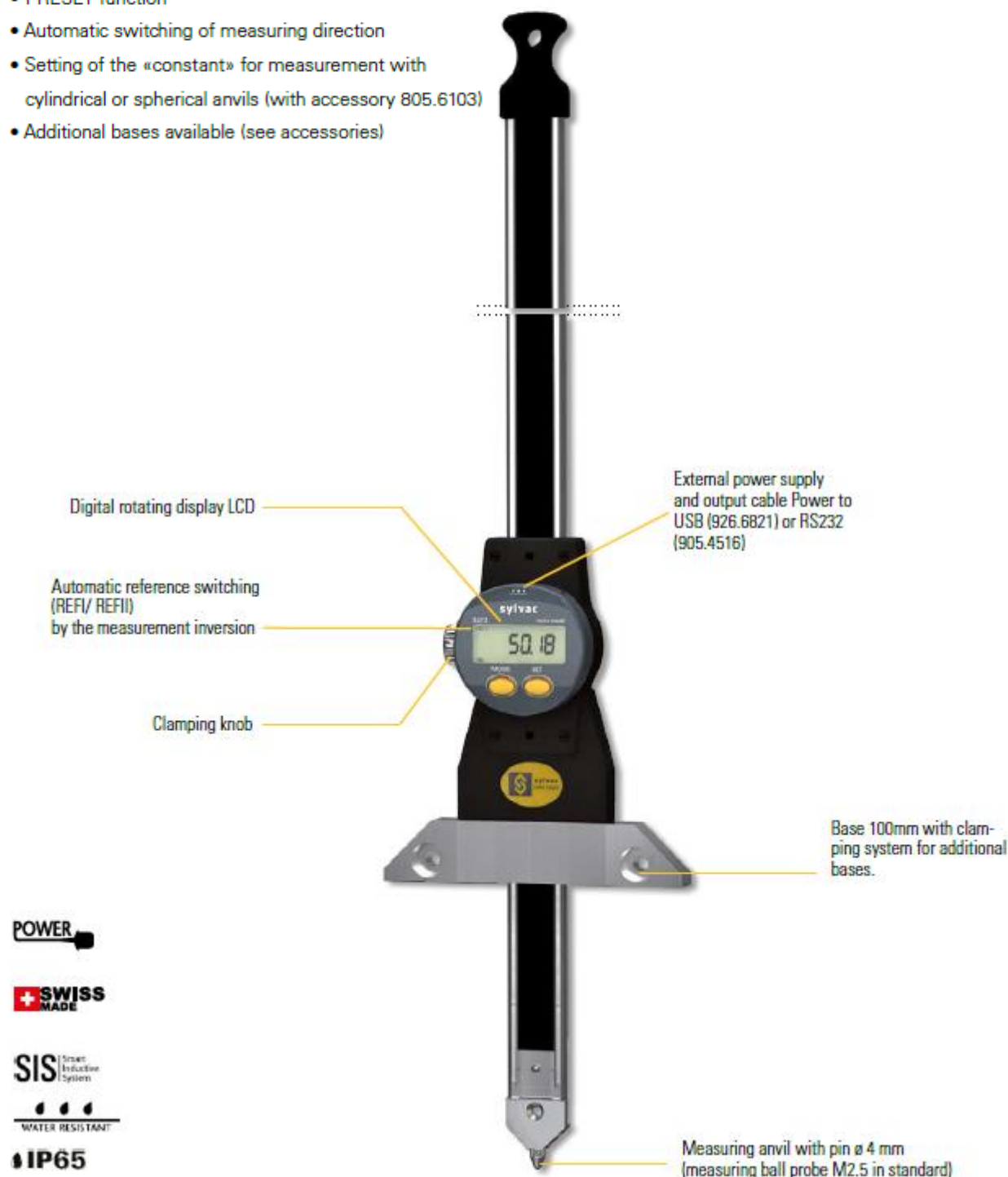
Depth gauge

S_Depth PRO

DESCRIPTION

- PRESET function
- Automatic switching of measuring direction
- Setting of the «constant» for measurement with cylindrical or spherical anvils (with accessory 805.6103)
- Additional bases available (see accessories)

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POWER

SWISS
MADE

SIS
Smart
Inductive
System

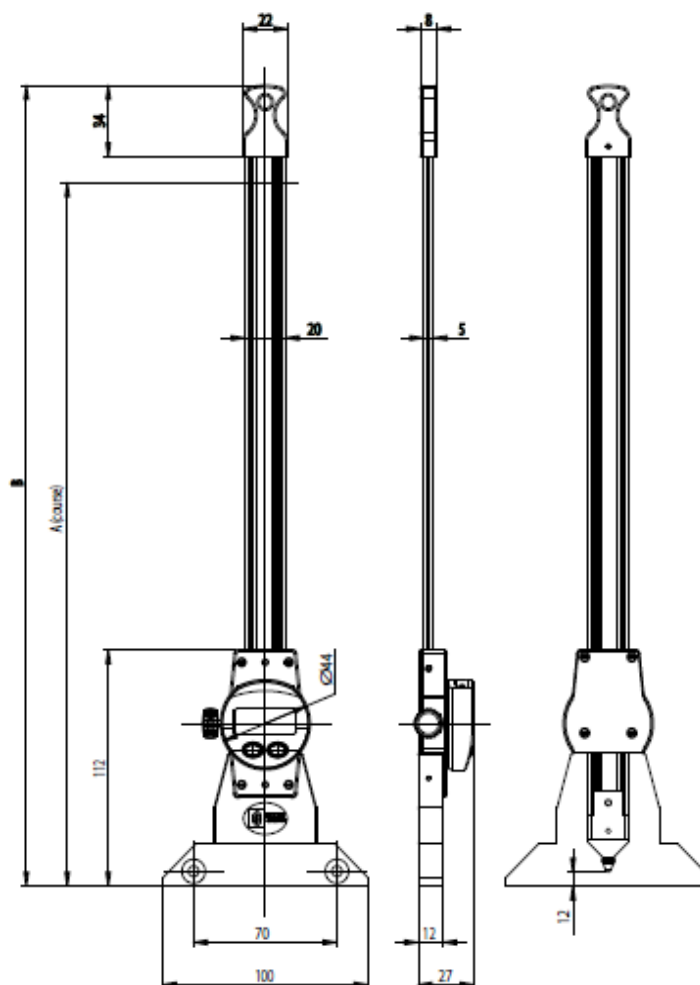
WATER RESISTANT

IP65

Depth gauge

S_Depth PRO

DIMENSIONAL DRAWING



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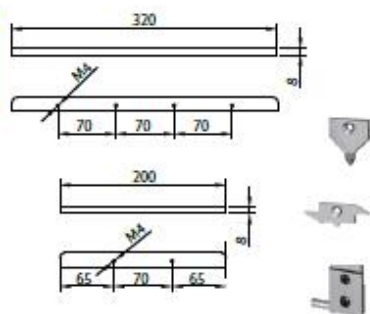
TECHNICAL SPECIFICATIONS

		805.6005	805.6006
Measuring range	mm	300	600
Max. Error	µm	30	40
Repeatability ¹⁾	µm	10	10
A	mm	422	625
B	mm	483	773
Output data		USB / RS232 ²⁾	
2 References		●	
PRESET function		●	

¹⁾ ± 1 digit

²⁾ see cables chapter

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		Length	Thickness
812.2241	Additional base	200 mm	8 mm
812.2240	Additional base	320 mm	8 mm
805.6101	Ball probe M2.5 (standard)		
805.6102	Anvils UP&DOWN		
805.6103	Anvil with pin Ø4 mm		

APPLICATIONS



Measure of an internal groove (height) thanks to the constant.



Depth measurement



Depth measurement in a drilling with an additional base



Depth gauge

S_Depth PRO

STANDARD DELIVERY

- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Ball probe M2.5 Ø2mm (805.6101)

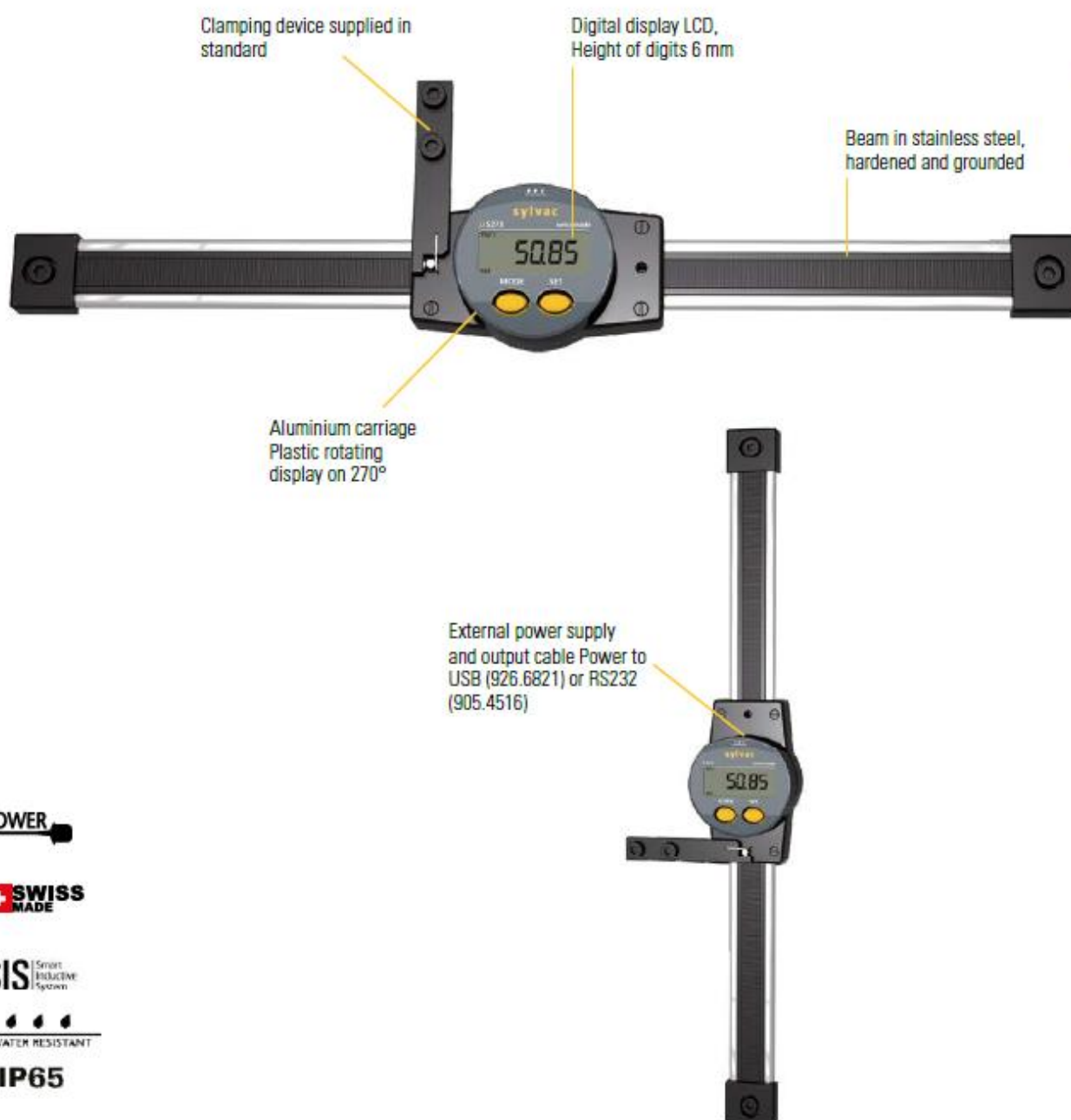
COMPATIBLE ACCESSORIES

Digital scales

S_Scale WORK

DESCRIPTION

- Max displacement speed: 2 m/sec
- RS232 or USB Data output
- External power supply by Power cable
- Easy to integrate in your projects



POWER

 **SWISS**
MADE

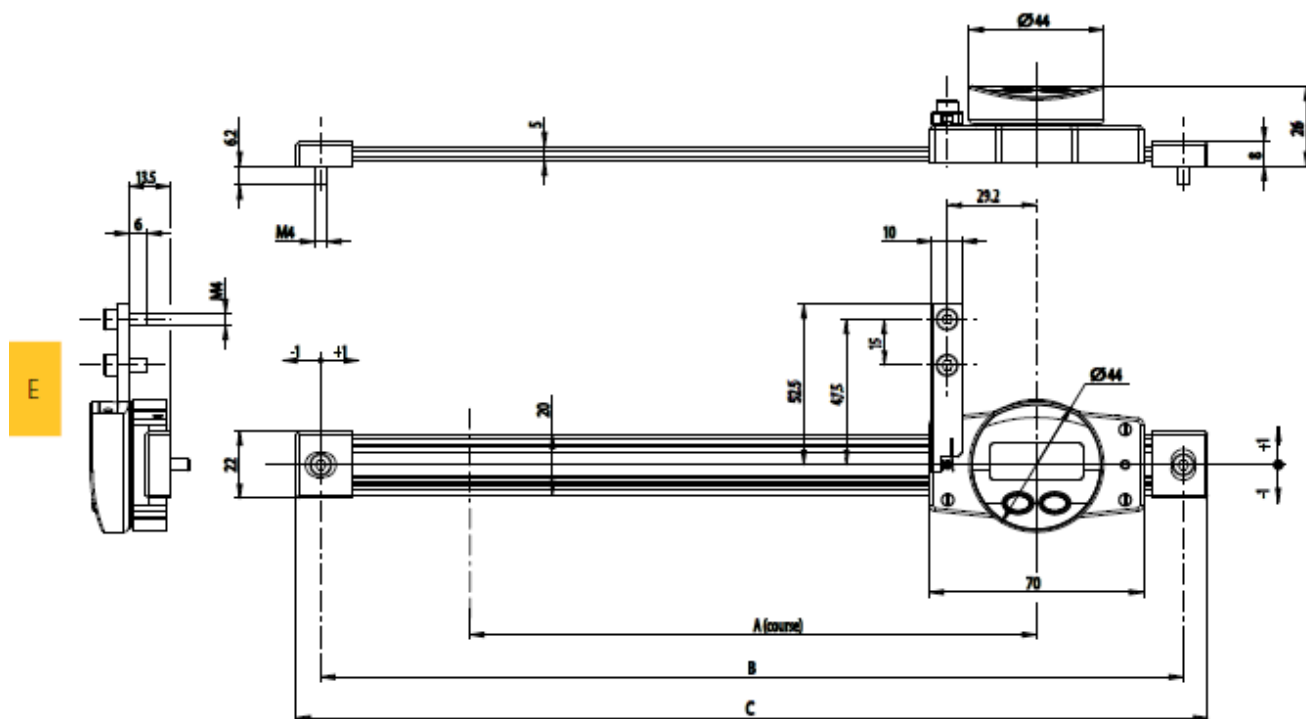
SIS Smart
INDUCTION
System

 WATER RESISTANT

IP65

S_Scale WORK

DIMENSIONAL DRAWINGS



TECHNICAL SPECIFICATIONS

		816.1015	816.1020	816.1030	816.1060
Measuring range	mm	150	200	300	600
Type		H / V	H / V	H / V	H / V
Max. Error	µm	20	20	30	30
Repeatability ¹⁾	µm	10	10	10	10
Resolution	mm	0.01	0.01	0.01	0.01
A	mm	185	235	335	665
B	mm	282	332	432	762
C	mm	298	348	448	778
Output data		USB / RS232 ²⁾			
Selection of measuring direction		●			
PRESET function		●			
2 references		●			

¹¹⁾ ± 1 digit²¹ see cables chapter