

HAND TOOLS

In 1981, Sylvac launched the first caliper with digital read-out on the market. Quickly, other models followed and the market of these handtools took an incredible rise.

Today, Sylvac remains a leader in this market and offers a range of calipers with digital read-out of a measurement capacity from 150 to 3000 mm. Other handtools complete this range.

Sylvac inductive measuring system (patented)

Data output

Power supply: Lithium battery 3V, Type CR 2032

Operational temperature: +5 to +40°C

mm/inch selection



Caliper

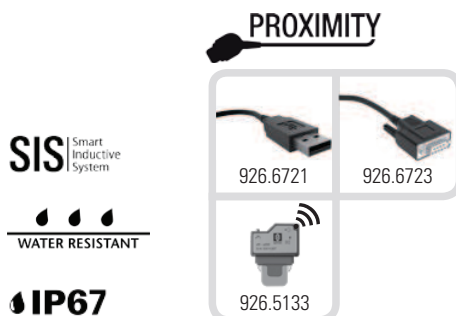
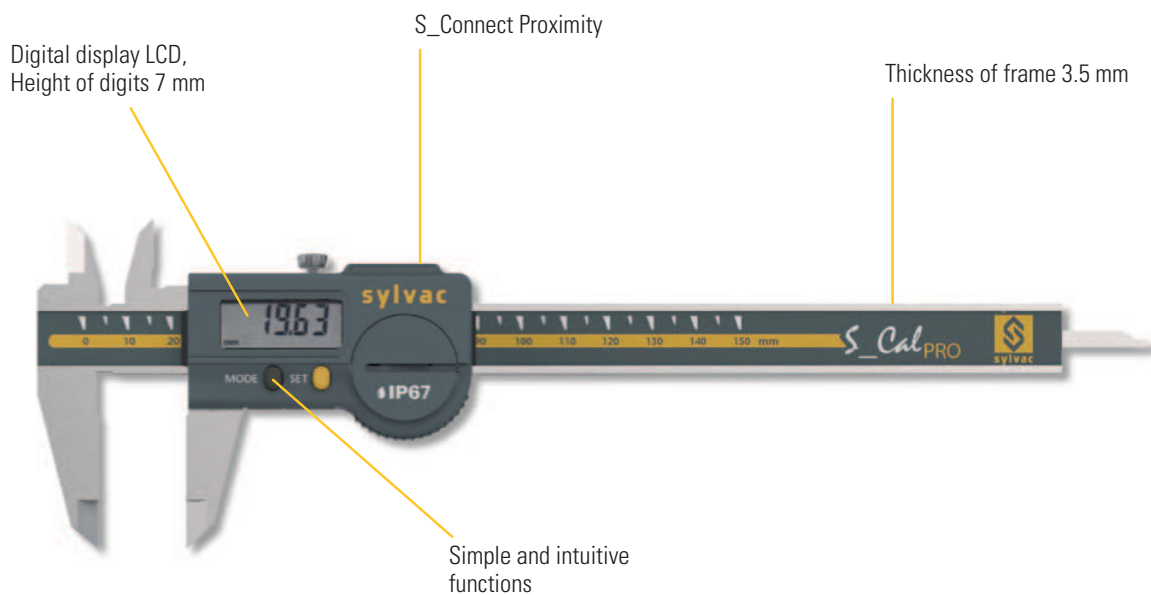
S_Cal PRO

A

DESCRIPTION

PROXIMITY

- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529, **even connected**
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and ground
- Thumb wheel on request (see accessories)
- Great comfort of use thanks to its ergonomic frame



Proximity output data !

SIS | Smart Inductive System

WATER RESISTANT

IP67

* SIS | Smart Inductive System description on page 5

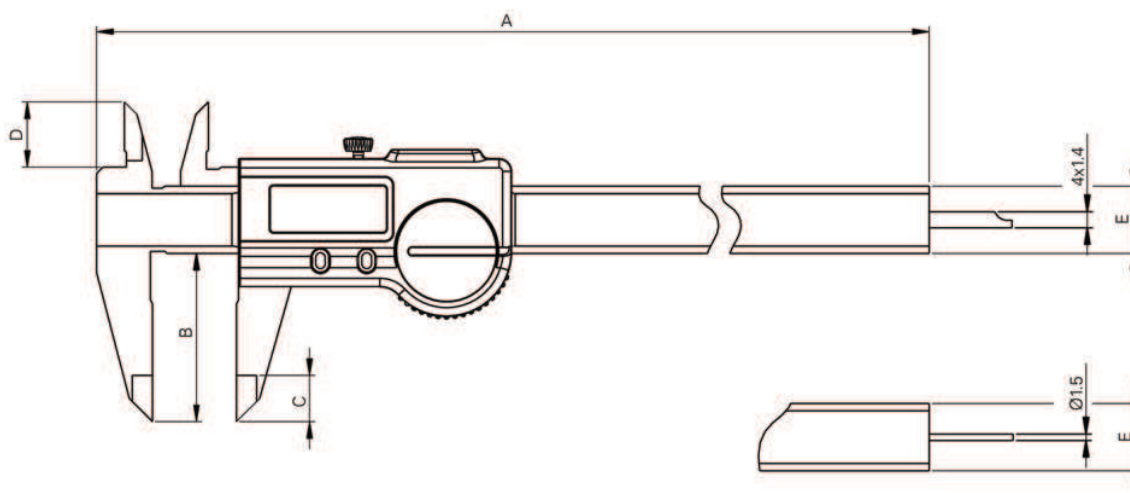
Caliper

S_Cal PRO

DIMENSIONAL DRAWING

PROXIMITY

A



TECHNICAL SPECIFICATIONS

		910.1502	910.1507	910.1522	910.1532
Measuring range	mm	150	150	200	300
Max. Error G	µm	20 ¹⁾	20 ¹⁾	30	30
A	mm	234.5	234.5	290.5	388
B	mm	40	40	50	64
C	mm	11	11	14	14
D	mm	16	16	19	19
E	mm	16 x 3.5	16 x 3.5	16 x 3.5	16 x 4
Depth rod	mm	■ 4 x 1.4	Ø 1.5	■ 4 x 1.4	---
Protection rating according to IEC 60529		IP67 with or without connector			
S_Connect : Proximity		USB / RS232 / Wireless ²⁾			
Functions		Zero setting, mm/inch, Data			
Smart Inductive Sensor		●			

¹⁾ > 100 mm : 30 µm / DIN 862

²⁾ see cables chapter

Micron Caliper

S_Cal PRO μm

A

DESCRIPTION

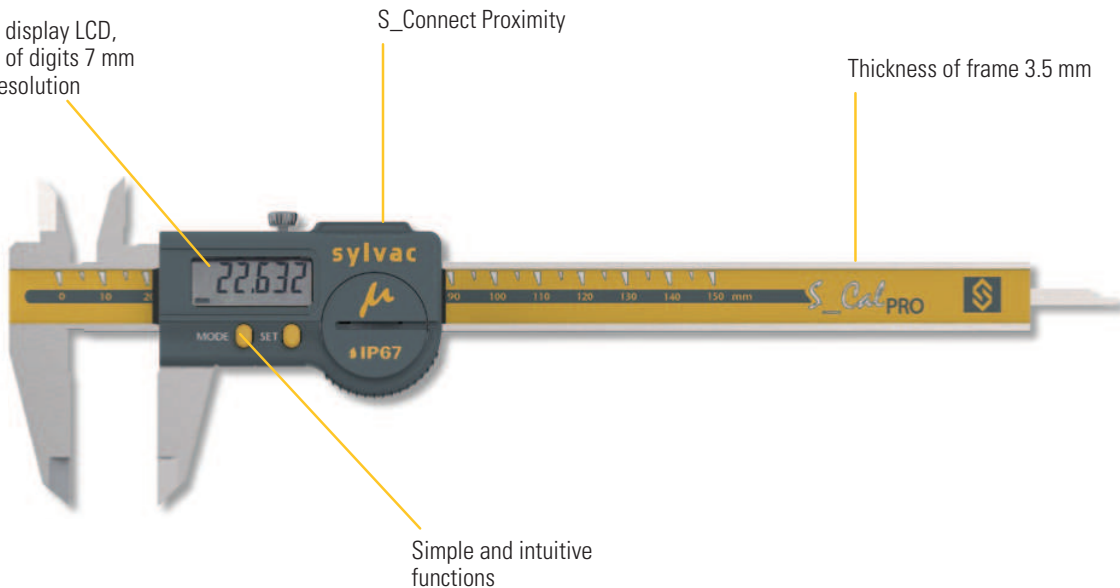
PROXIMITY MICRON

- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529, **even connected**
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Thumb wheel on request (see accessories)
- Mechanical frame in stainless steel, hardened and ground
- Improved parallelism of internal jaws compared to version S_Cal PRO
- **Preset**
- **Resolution 0,001mm or 0,00005"**
- **4 μm repeatability**

Digital display LCD,
Height of digits 7 mm
1 μm resolution

S_Connect Proximity

Thickness of frame 3.5 mm



Simple and intuitive
functions

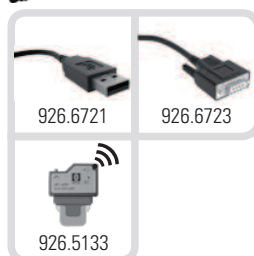
**SWISS
MADE**

SIS Smart
Inductive
System

WATER RESISTANT

IP67

PROXIMITY



Proximity output data !
4 μm repeatability

* SIS description on page 5

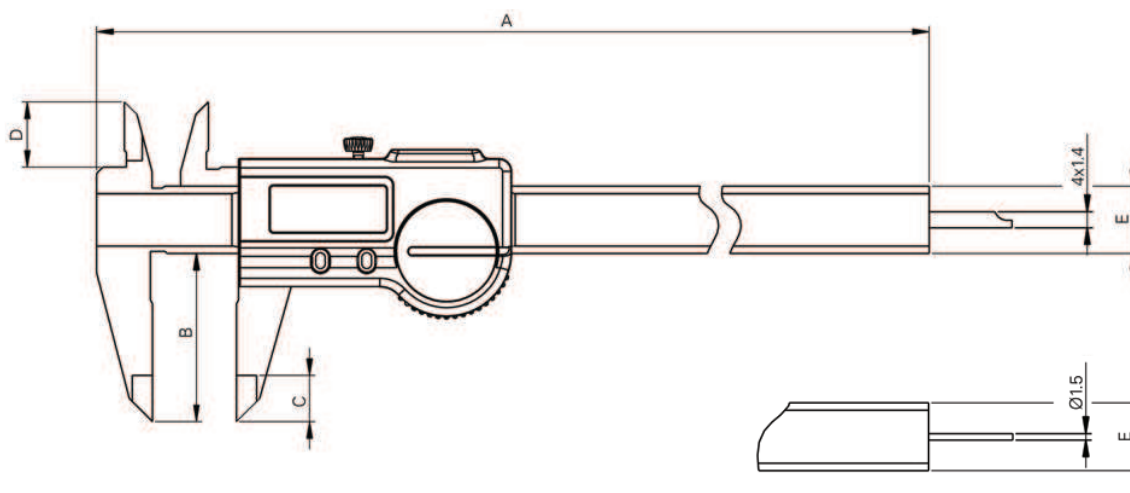
Micron Caliper

S_Cal PRO μm

DIMENSIONAL DRAWING

PROXIMITY MICRON

A



TECHNICAL SPECIFICATIONS

		910.9502	910.9507
Measuring range	mm	150	150
Max. Error G	μm	15 ¹⁾	15 ¹⁾
Resolution	mm	0.001	
A	mm	234.5	234.5
B	mm	40	40
C	mm	11	11
D	mm	16	16
E	mm	16 x 3.5	16 x 3.5
Depth rod	mm	■ 4 x 1.4	● Ø1.5
Protection rating according to IEC 60529		IP67 with or without connector	
S_Connect : Proximity		USB / RS232 / Wireless ²⁾	
Functions		mm/inch, preset, zero setting, Data	
Smart Inductive Sensor		●	

¹⁾ < 100 mm: 15 μm / > 100 mm : 30 μm / DIN 862

²⁾ see cables chapter

Caliper

S_Cal EVO

A

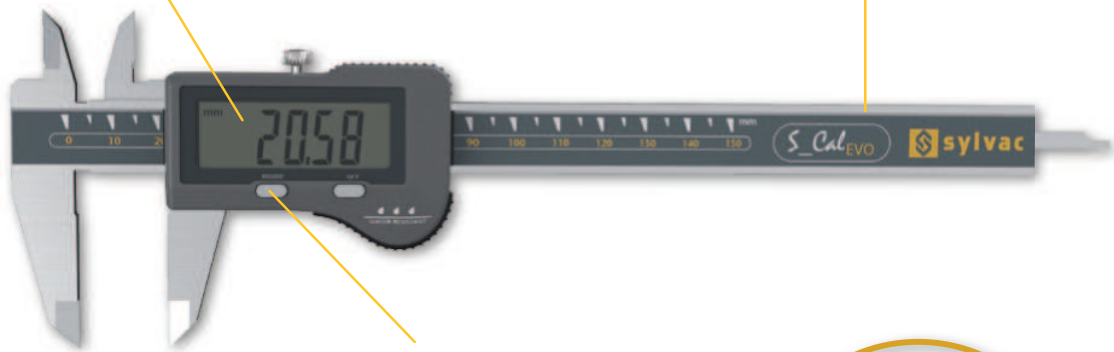
DESCRIPTION

STANDARD

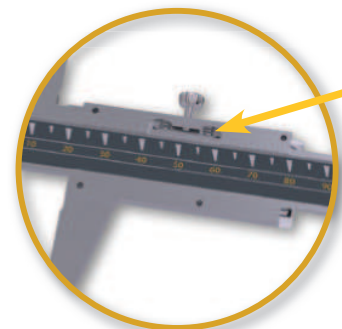
- **Standard professional caliper**
- New extra-large display
- Automatic wake-up by moving the electronic on his frame. (Absolute System S.I.S)
- Sleeping mode after 20 min. of no use. (Absolute System S.I.S)
- Position memorized in sleeping mode, **Absolute System S.I.S***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame
- Thumb wheel on request (see accessories)

Digital display LCD,
Height of digits 11.5 mm

Thickness of frame 3.5 mm



Simple and intuitive
functions



Spring gib

Sliding mechanism

SIS | Smart
Inductive
System

 **WATER RESISTANT**

IP54

Coolant and lubricant resistant

* SIS | Smart Inductive System description on page 5

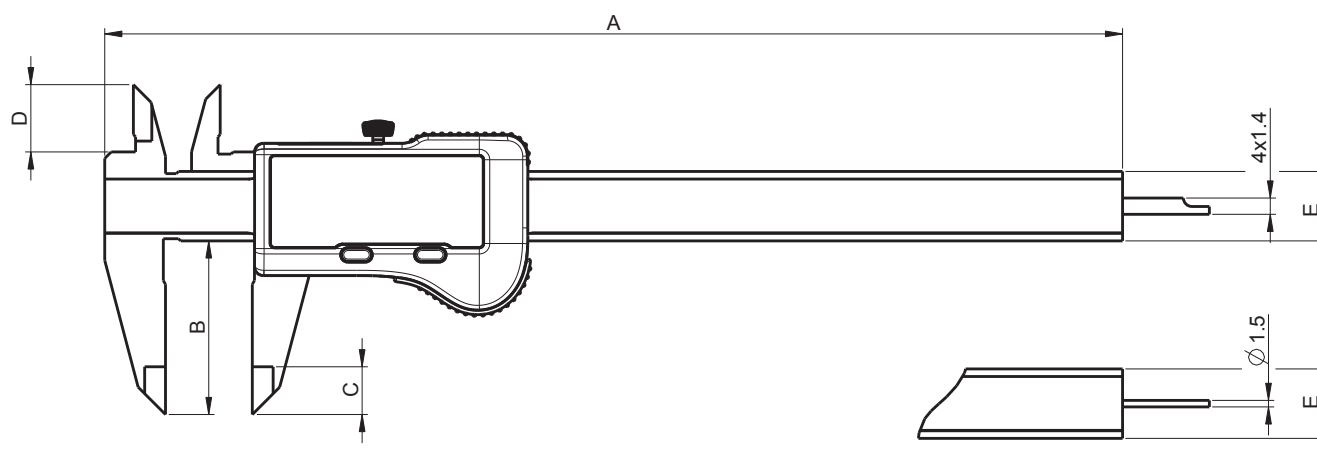
Caliper

S_Cal EVO

DIMENSIONAL DRAWING

STANDARD

A



TECHNICAL SPECIFICATIONS

		810.1402	810.1407	810.1422	810.1432
Measuring range	mm	150	150	200	300
Max. Error G	µm	20 ¹⁾	20 ¹⁾	30	30
A	mm	234.5	234.5	290.5	388
B	mm	40	40	50	64
C	mm	11	11	14	14
D	mm	16	16	19	19
E	mm	16 x 3.5	16 x 3.5	16 x 3.5	16 x 4
Depth rod	mm	■ 4 x 1.4	Ø 1.5	■ 4 x 1.4	---
Protection rating according to IEC 60529		IP54			
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold			
Smart Inductive Sensor		●			

¹⁾ > 100 mm : 30 µm / DIN 862

Caliper

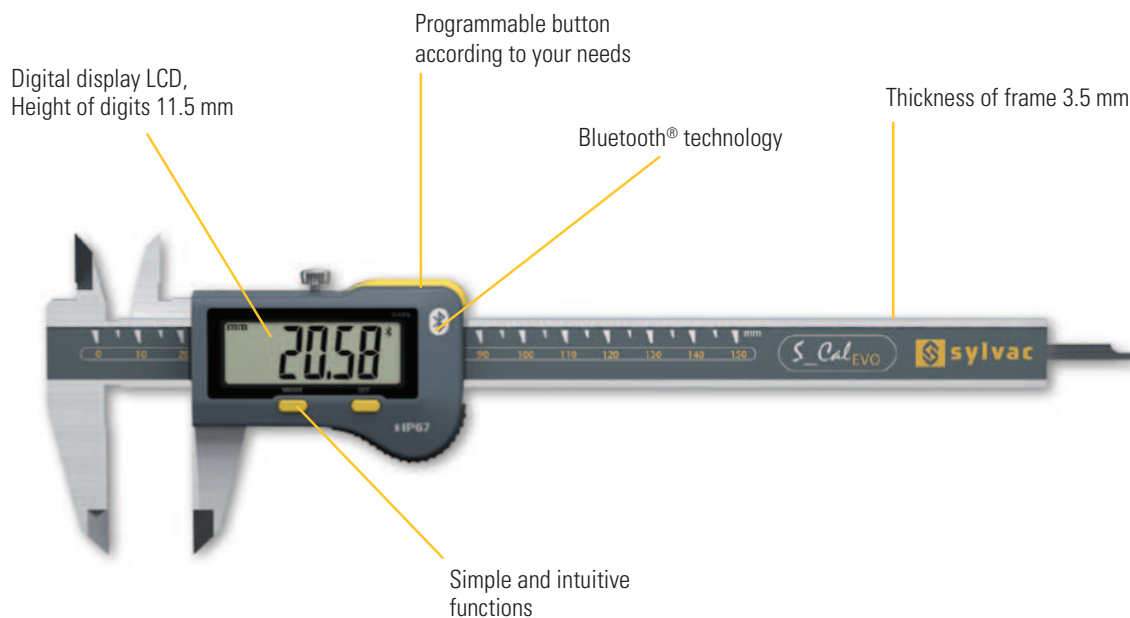
S_Cal EVO BT

A

DESCRIPTION

BLUETOOTH®

- **Integrated Bluetooth® technology**
- New extra-large display
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame
- Thumb wheel on request (see accessories)



Bluetooth® wireless technology and IP67 protection rating!

SIS | Smart
Inductive
System



IP67

* SIS | Smart Inductive System description on page 5



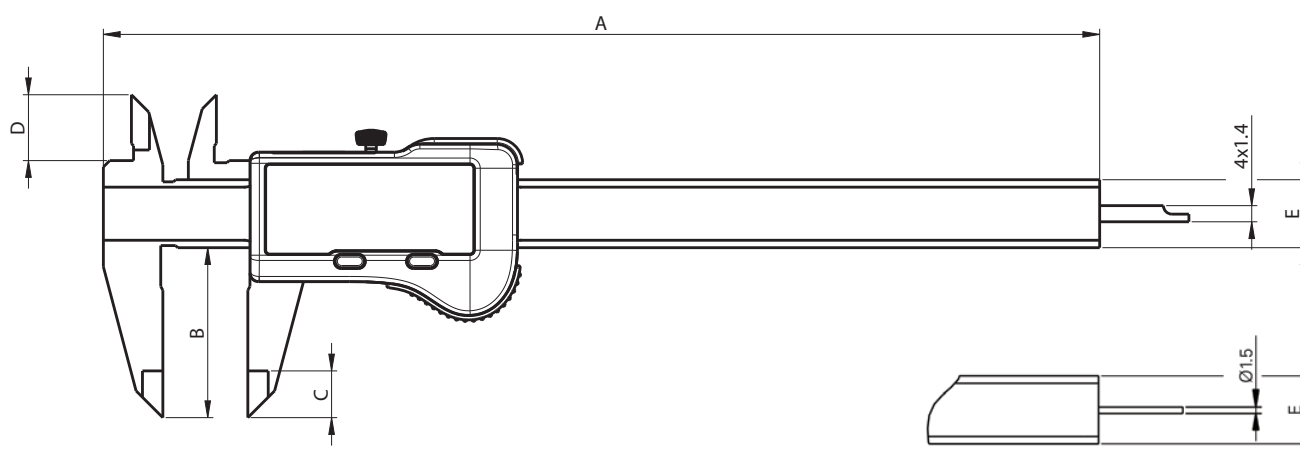
Caliper

S_Cal EVO BT

DIMENSIONAL DRAWING

BLUETOOTH®

A



TECHNICAL SPECIFICATIONS

		810.1506	810.1516	810.1526	810.1536
Measuring range	mm	150	150	200	300
Max. Error G	µm	20 ¹⁾	20 ¹⁾	30	30
A	mm	234.5	234.5	290.5	388
B	mm	40	40	50	64
C	mm	11	11	14	14
D	mm	16	16	19	19
E	mm	16 x 3.5	16 x 3.5	16 x 3.5	16 x 4
Depth rod	mm	■ 4 x 1.4	Ø 1.5	■ 4 x 1.4	---
Protection rating according to IEC 60529		IP67			
Connection		Bluetooth® wireless technology*			
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data			
Smart Inductive Sensor		●			

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Caliper

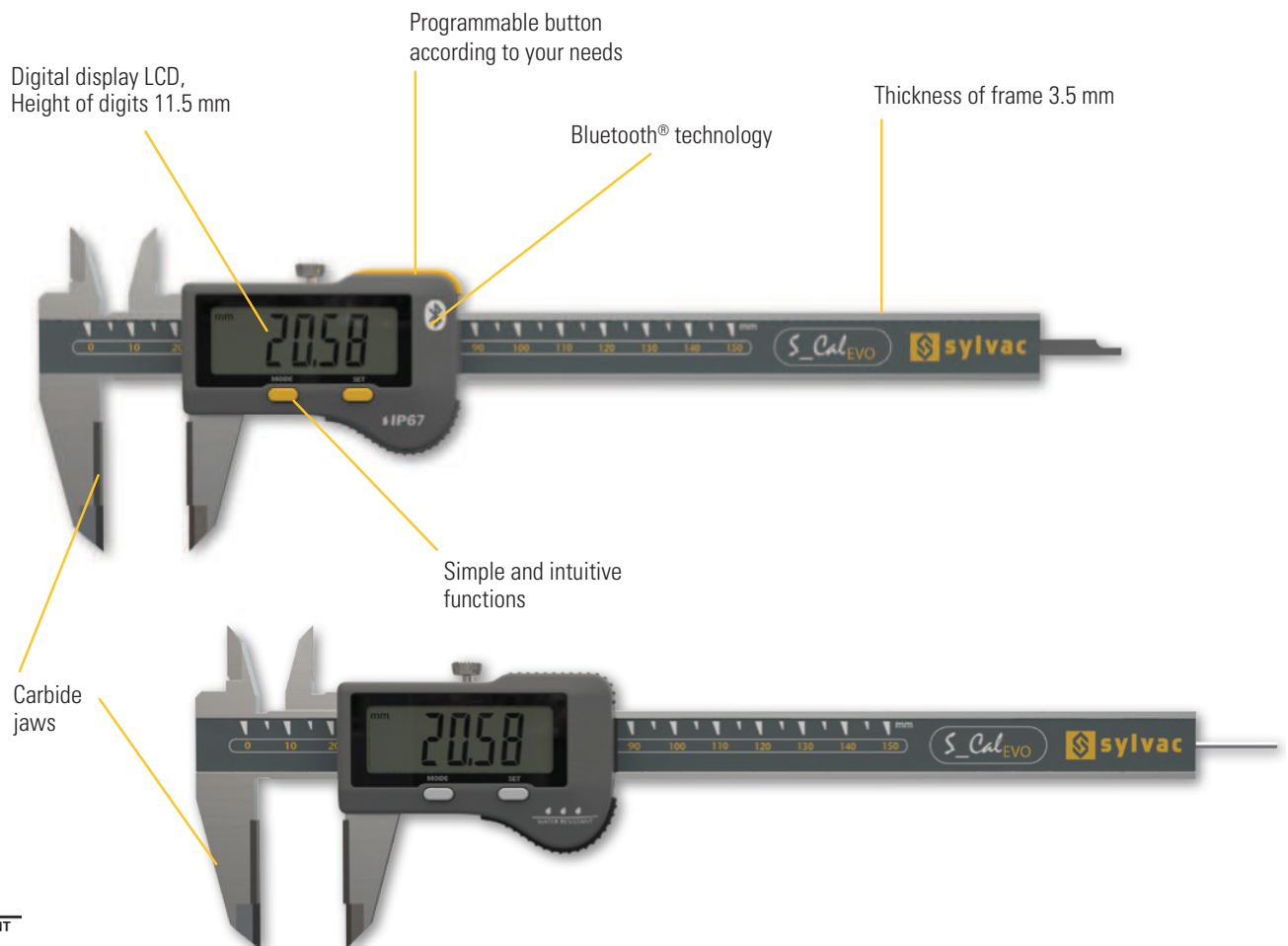
S_Cal EVO

A

DESCRIPTION

CARBIDE

- Integrated **Bluetooth®** technology (depends on model)
- **Carbide jaws**
 - New extra-large display
 - Programmable button according to your needs (depends on model)
 - Automatic wake-up by moving the electronic on his frame. (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***
 - Maximum speed of displacement : 2.5 m/sec
 - Mechanical frame in stainless steel, hardened and grinded
 - Great comfort of use thanks to its ergonomic frame
 - Thumb wheel on request (see accessories)



SIS | Smart
Inductive
System



IP67 IP54

Carbide jaws

* SIS | Smart Inductive System description on page 5

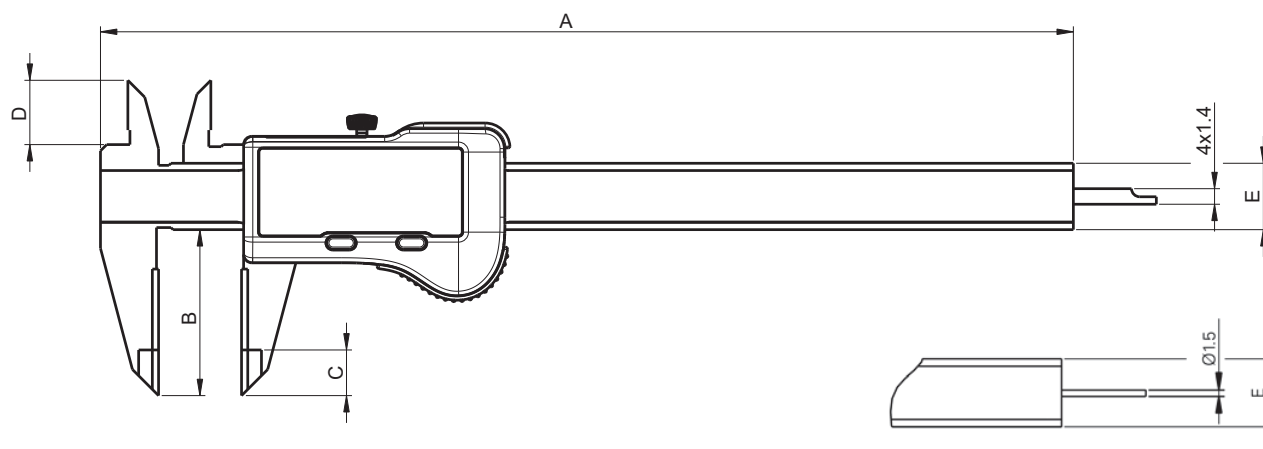
Caliper

S_Cal EVO

DIMENSIONAL DRAWING

CARBIDE

A



TECHNICAL SPECIFICATIONS

		810.1409	810.1509
Measuring range	mm	150	150
Max. Error G	µm	20 ¹⁾	20 ¹⁾
A	mm	234.5	234.5
B	mm	40	40
C	mm	11	11
D	mm	16	16
E	mm	16 x 3.5	16 x 3.5
Depth rod	mm	Ø 1.5	4 x 1.4
Protection rating according to IEC 60529		IP54	IP67
Connection		-	Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data	
Smart Inductive Sensor		●	

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Micron Caliper

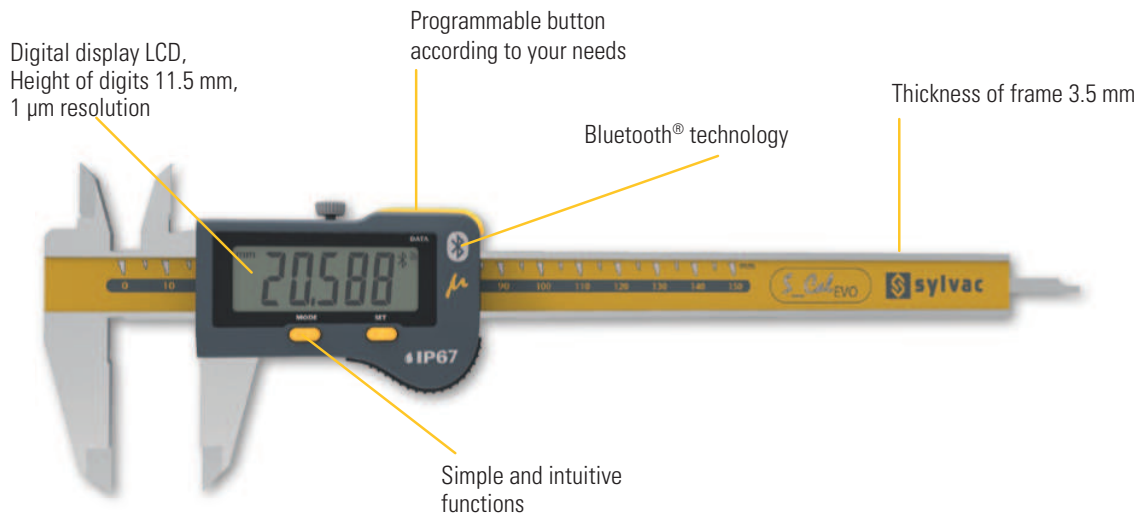
S_Cal EVO BT μ m

A

DESCRIPTION

MICRON

- **Integrated Bluetooth® technology**
- New extra-large micron display
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame
- Thumb wheel on request (see accessories)



SIS | Smart Inductive System



IP67

4 μ m repeatability

* SIS | Smart Inductive System description on page 5



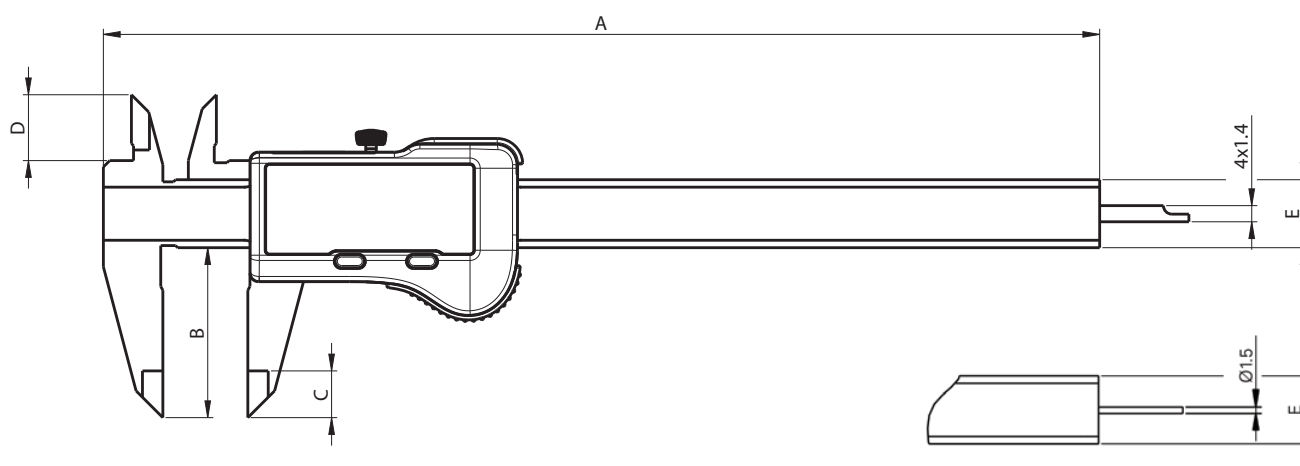
Micron Caliper

S_Cal EVO BT μ m

DIMENSIONAL DRAWING

MICRON

A



TECHNICAL SPECIFICATIONS

		810.9506	810.9516
Measuring range	mm	150	150
Max. Error G	μ m	15 ¹⁾	15 ¹⁾
Resolution	mm	0.001	
A	mm	234.5	234.5
B	mm	40	40
C	mm	11	11
D	mm	16	16
E	mm	16 x 3.5	16 x 3.5
Depth rod	mm	4 x 1.4	Ø 1.5
Protection rating according to IEC 60529		IP67	IP67
Connection		Bluetooth® wireless technology*	
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data	
Smart Inductive Sensor		●	

¹⁾ < 100 mm: 15 μ m / > 100 mm : 30 μ m / DIN 862

* see cables chapter

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

Special caliper

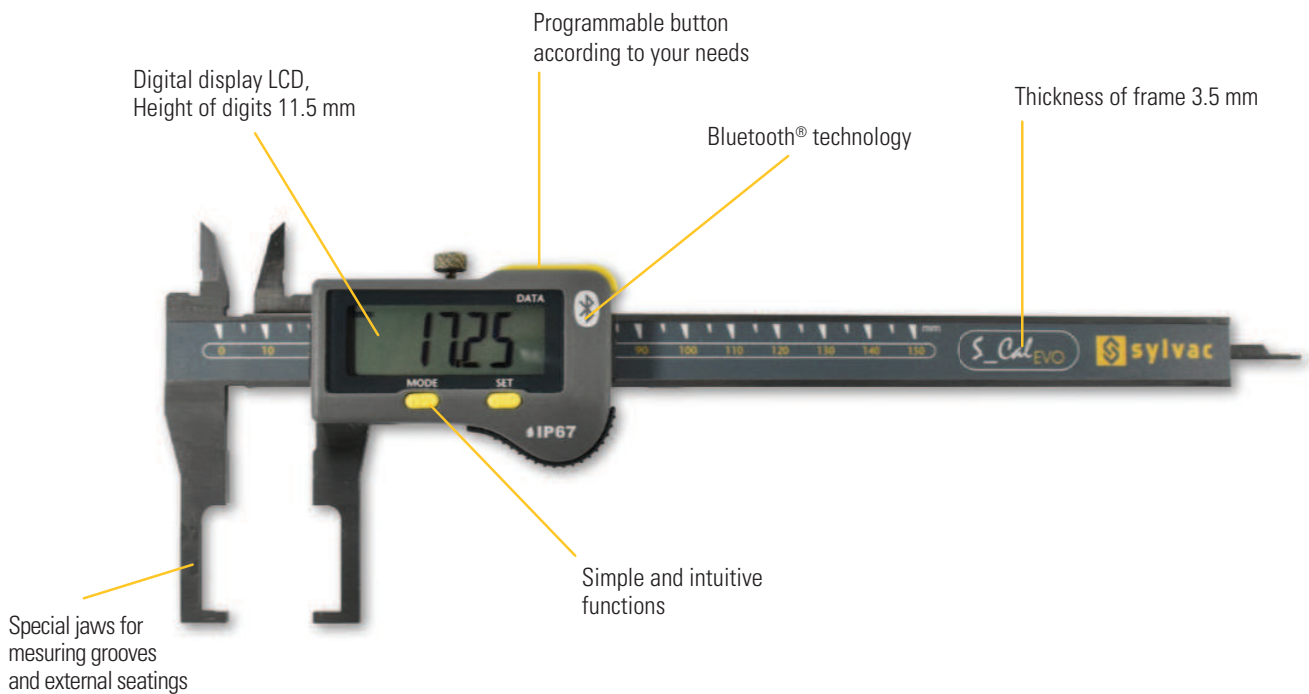
S_Cal EVO BT EG

A

DESCRIPTION

EXTERNAL GROOVE

- **Integrated Bluetooth® technology**
- Special jaws for measuring grooves and external seatings
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



SIS | Smart Inductive System



IP67

For measuring grooves and external seatings

* SIS | Smart Inductive System description on page 5

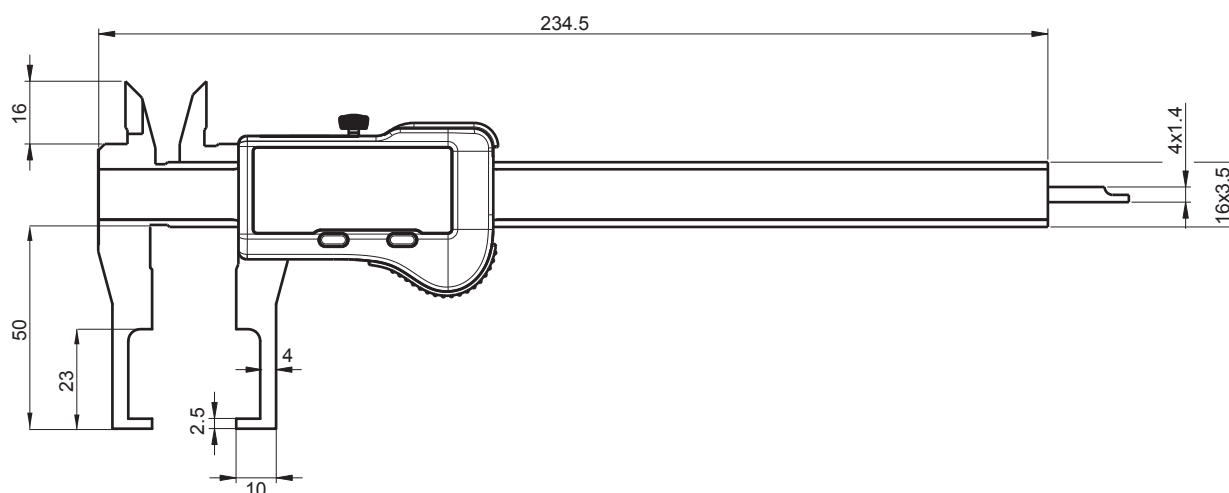
Special caliper

S_Cal EVO BT EG

DIMENSIONAL DRAWING

EXTERNAL GROOVE

A



TECHNICAL SPECIFICATIONS

		810.1602
Measuring range	mm	150
Max. Error G	µm	20 ¹⁾
Depth rod	mm	4 x 1.4
Protection rating according to IEC 60529		IP67
Connection		Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data
Smart Inductive Sensor		●

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Special caliper

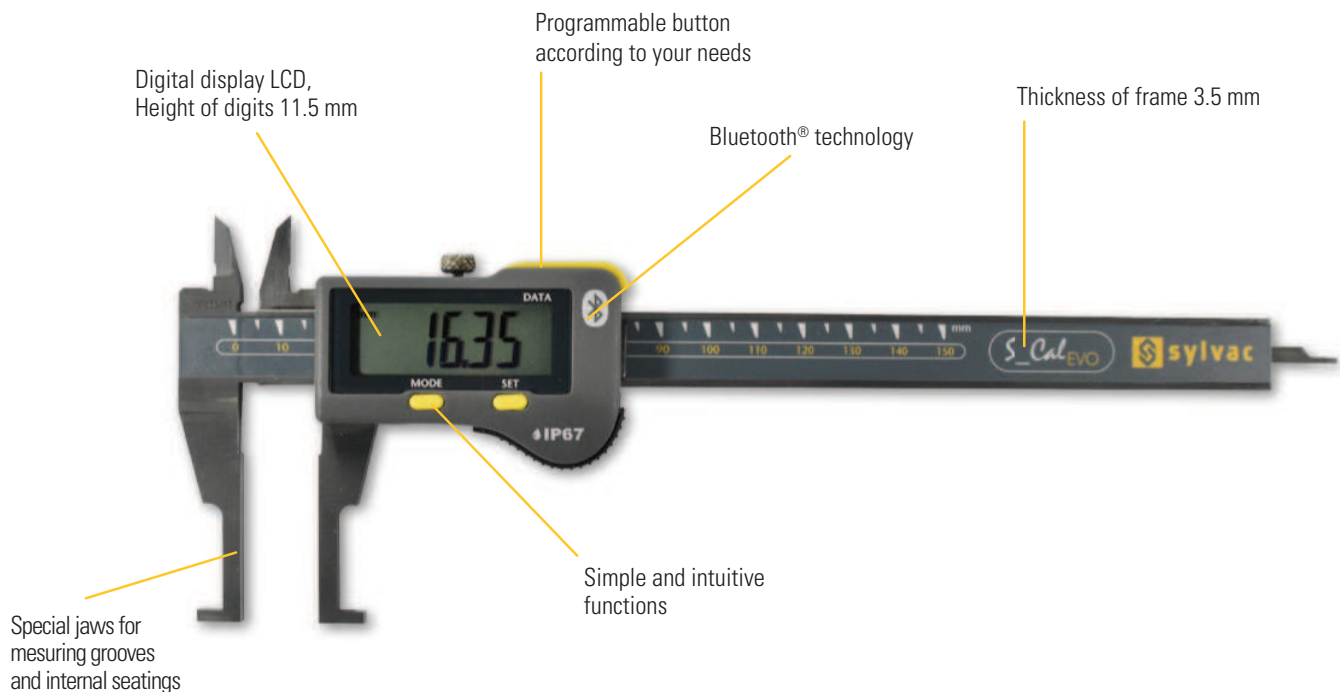
S_Cal EVO BT IG

A

DESCRIPTION

INTERNAL GROOVE

- **Integrated Bluetooth® technology**
- Special jaws for measuring grooves and internal seatings
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



SIS | Smart Inductive System



IP67

For measuring grooves and internal seatings

* SIS | Smart Inductive System description on page 5

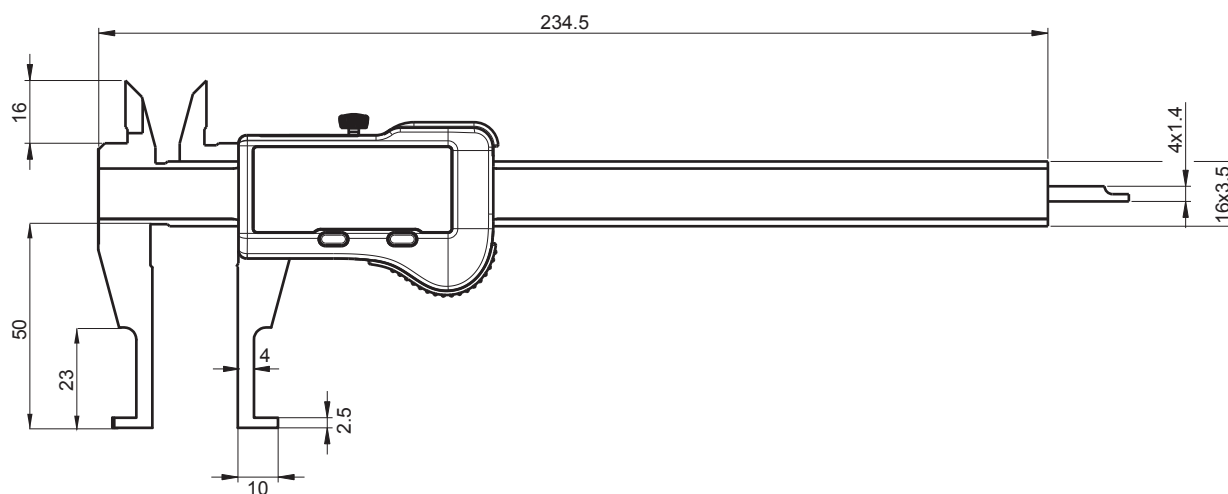
Special caliper

S_Cal EVO BT IG

DIMENSIONAL DRAWING

INTERNAL GROOVE

A



TECHNICAL SPECIFICATIONS

		810.1600
Measuring range	mm	150
Max. Error G	µm	20 ¹⁾
Depth rod	mm	4 x 1.4
Protection rating according to IEC 60529		IP67
Connection		Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data
Smart Inductive Sensor		●

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Special caliper

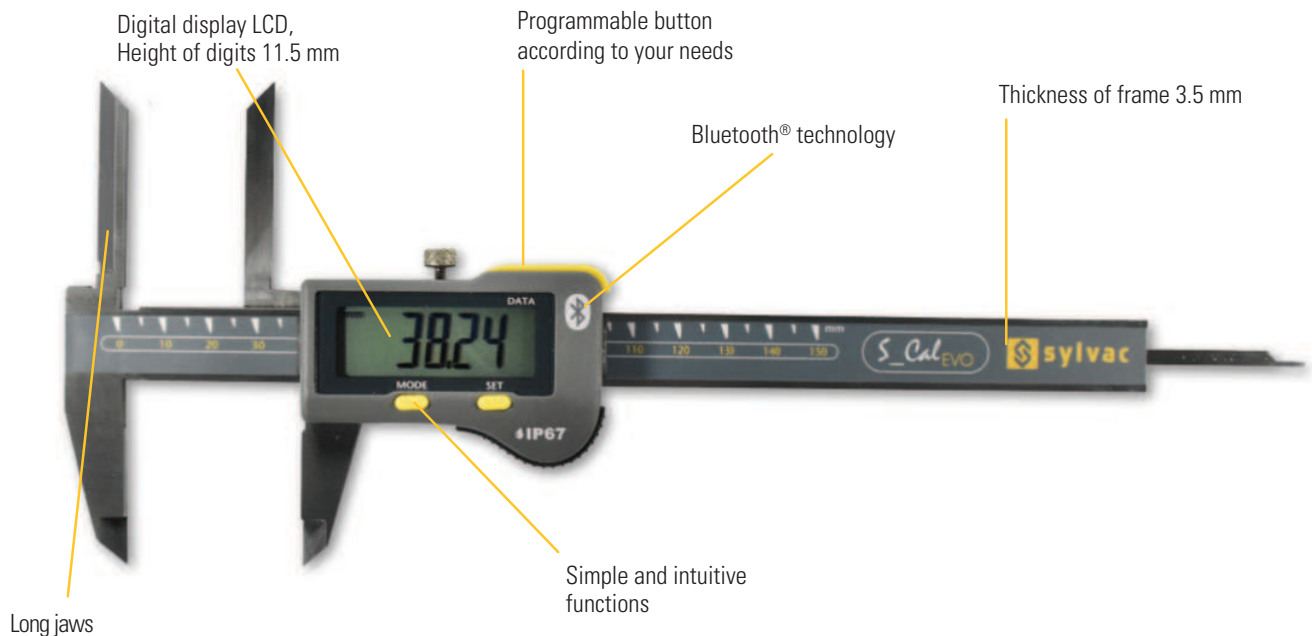
S_Cal EVO BT DM

A

DESCRIPTION

DEEP MEASUREMENT

- **Integrated *Bluetooth®* technology**
- Long internal jaws for deep measurements
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



SIS | Smart
Inductive
System



IP67

Long internal jaws for deep measurements

* SIS | Smart Inductive System description on page 5

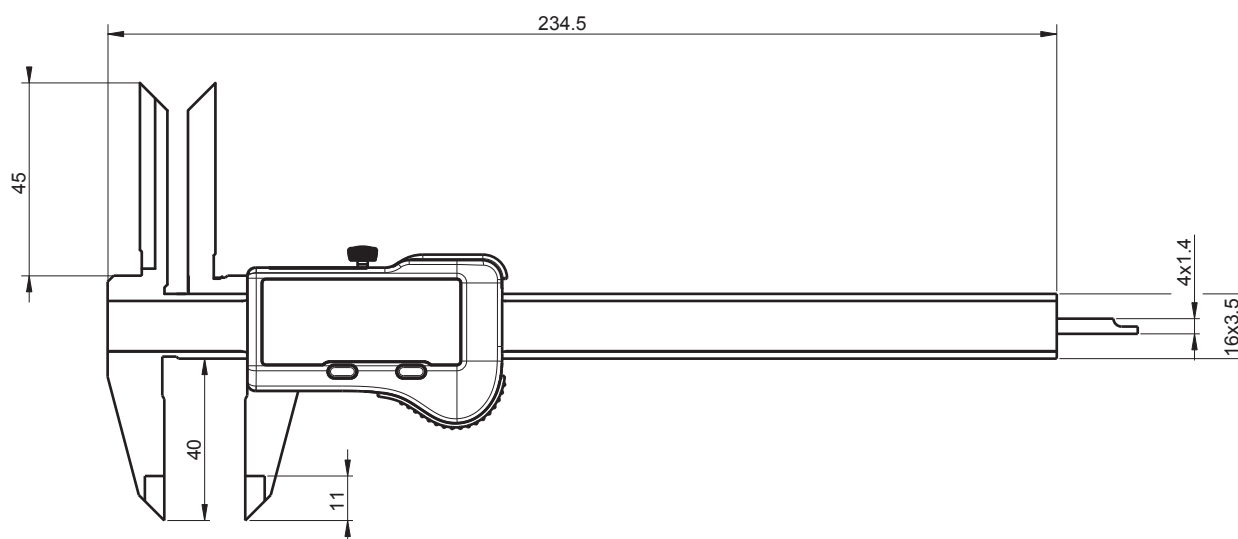
Special caliper

S_Cal EVO BT DM

DIMENSIONAL DRAWING

DEEP MEASUREMENT

A



TECHNICAL SPECIFICATIONS

		810.1603
Measuring range	mm	150
Max. Error G	µm	20 ¹⁾
Depth rod	mm	4 x 1.4
Protection rating according to IEC 60529		IP67
Connection		Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data
Smart Inductive Sensor		●

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Special caliper

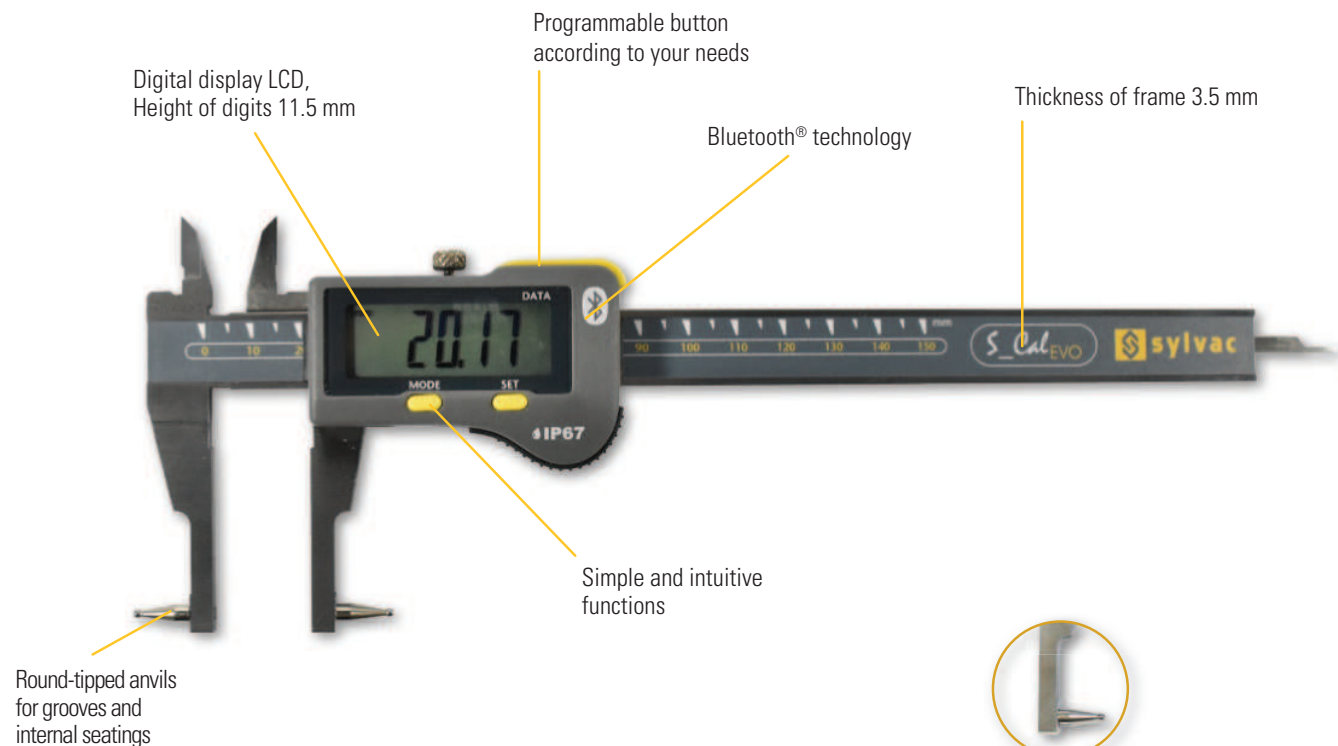
S_Cal EVO BT PJ

A

DESCRIPTION

POINTS JAWS

- **Integrated Bluetooth® technology**
- Interchangeable round polished anvils for measuring internal grooves
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



M2.5

SIS | Smart Inductive System



IP67

Interchangeable anvils

* SIS description on page 5

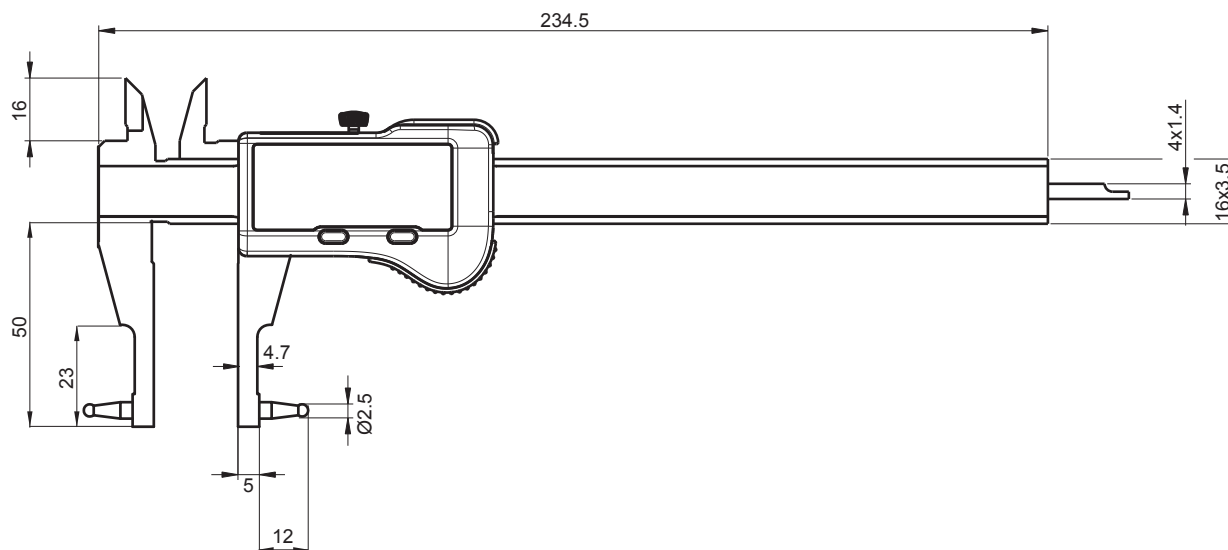
Special caliper

S_Cal EVO BT PJ

DIMENSIONAL DRAWING

POINTS JAWS

A



TECHNICAL SPECIFICATIONS

		810.1601
Measuring range	mm	150
Max. Error G	µm	20 ¹⁾
Depth rod	mm	4 x 1.4
Protection rating according to IEC 60529		IP67
Connection		Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data
Smart Inductive Sensor		●

¹⁾ > 100 mm : 30 µm / DIN 862

* see cables chapter

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

Caliper mid size

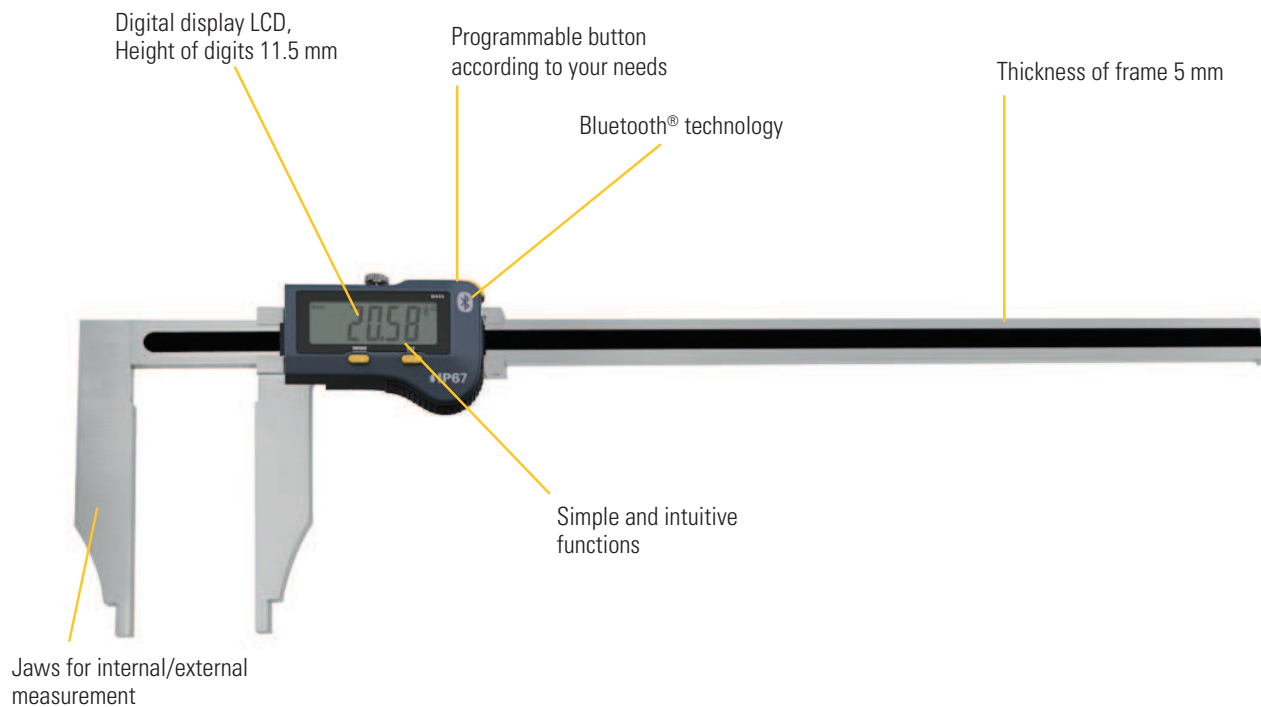
S_Cal EVO Form E

A

DESCRIPTION

MID SIZE CALIPER R5

- **Integrated *Bluetooth®* technology**
- Mid size caliper r5 for internal/external measurement
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



SIS | Smart
Inductive
System



IP67

Mid size caliper

* SIS | Smart Inductive System description on page 5

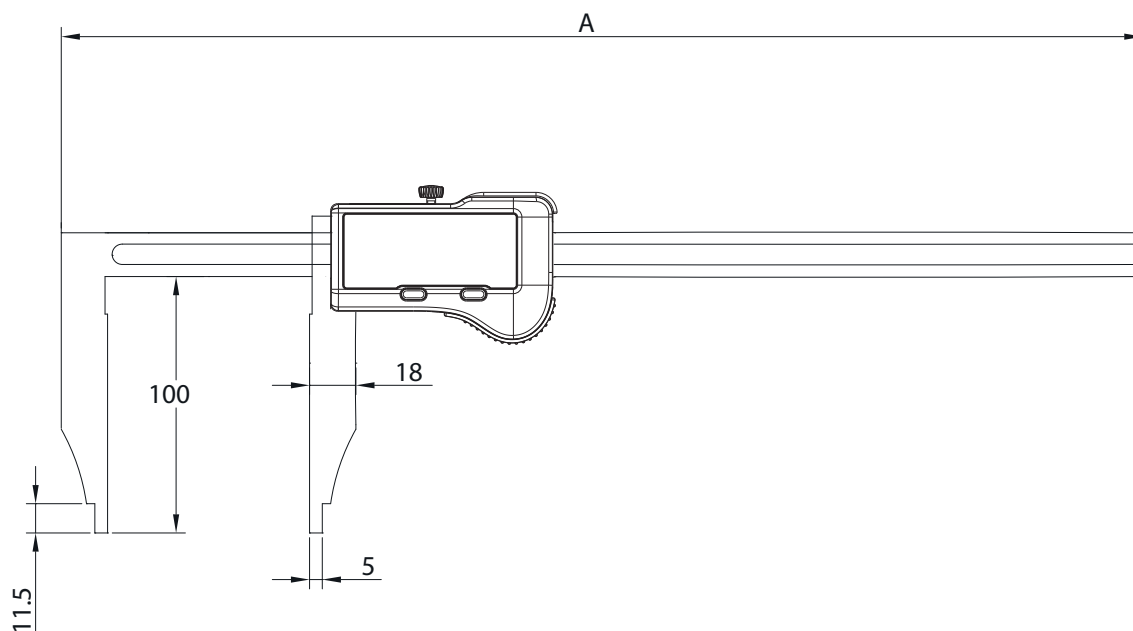
Caliper mid size

S_Cal EVO Form E

DIMENSIONAL DRAWING

MID SIZE CALIPER R5

A



TECHNICAL SPECIFICATIONS

		810.1546
Measuring range	mm	300
Accuracy	mm	0.03
Resolution	mm	0.01
A	mm	495
Bar section	mm	17x5
Protection rating according to IEC 60529		IP67
Connection		Bluetooth® wireless technology*
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data
Smart Inductive Sensor		●

* see cables chapter

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

Caliper mid size

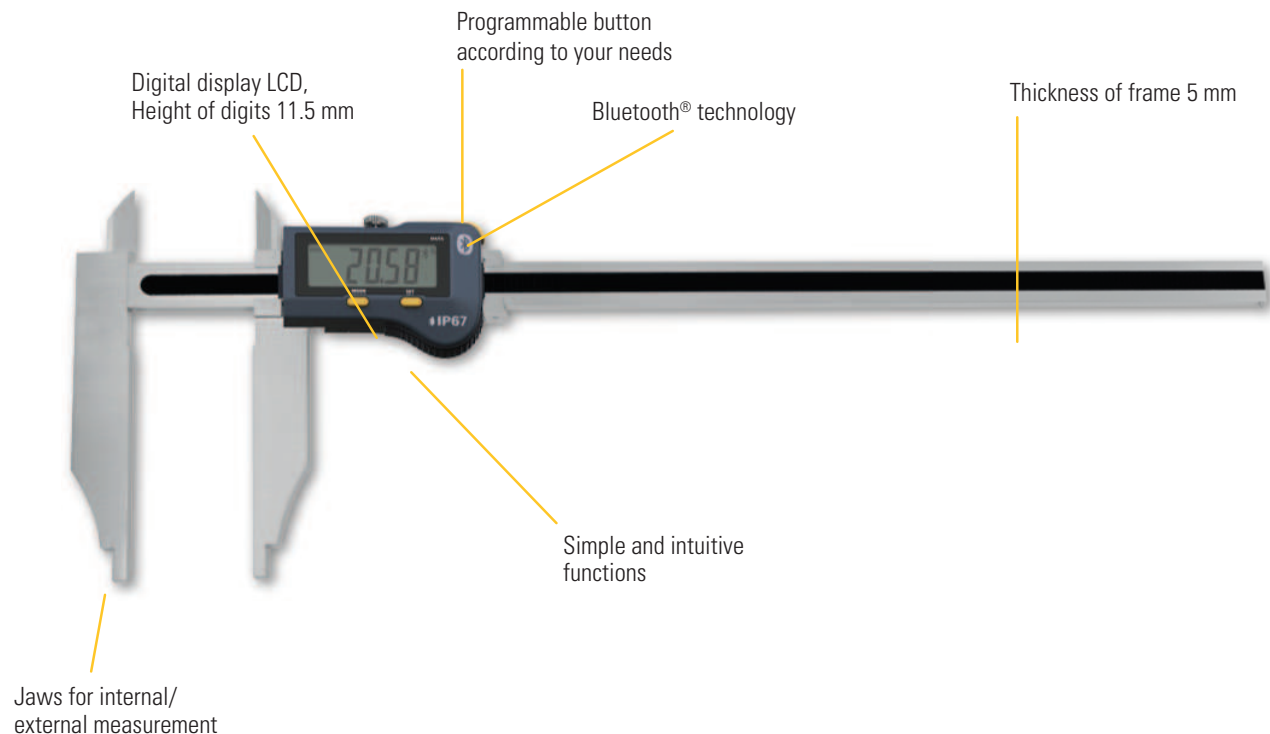
S_Cal EVO Form B

A

DESCRIPTION

MID SIZE CALIPER R5 WITH UPPER JAWS

- **Integrated *Bluetooth®* technology**
- Mid size caliper r5 for internal/external measurement
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded
- Great comfort of use thanks to its ergonomic frame



SIS Smart Inductive System



IP67

Mid size caliper with upper jaws

* SIS description on page 5

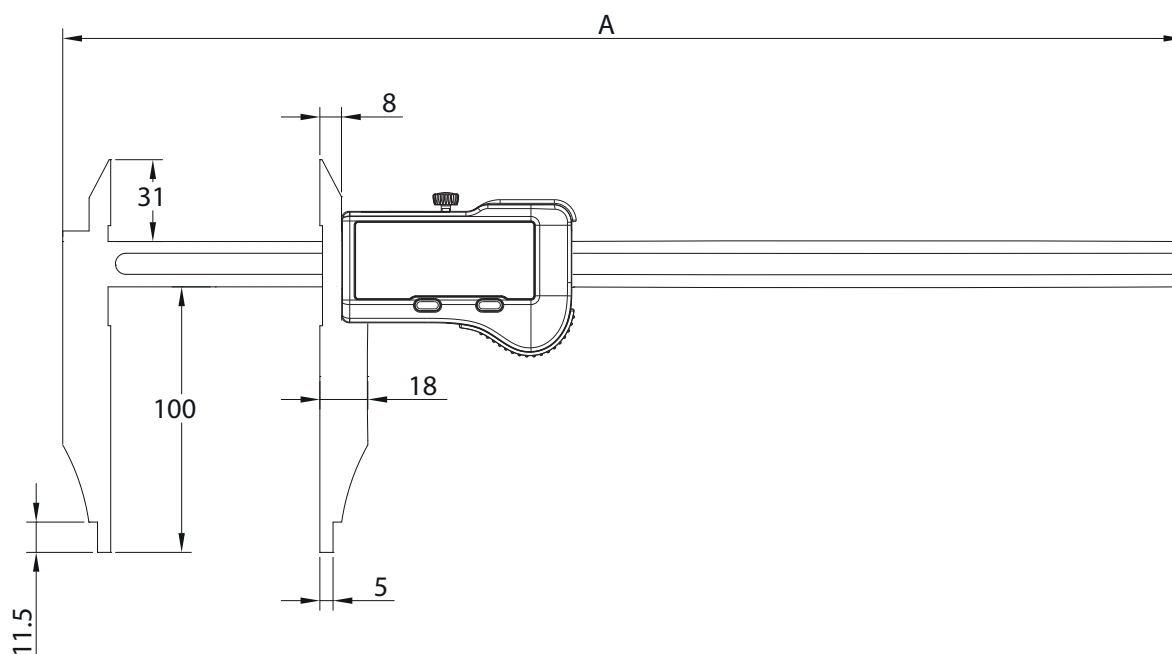
Caliper mid size

S_Cal EVO Form B

DIMENSIONAL DRAWING

MID SIZE CALIPER R5 WITH UPPER JAWS

A



TECHNICAL SPECIFICATIONS

		810.1556	810.1558
Measuring range	mm	300	500
Accuracy	mm	0.03	
Resolution	mm	0.01	
A	mm	495	595
Bar section	mm	17x5	
Protection rating according to IEC 60529		IP67	
Connection		Bluetooth® wireless technology*	
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data	
Smart Inductive Sensor		●	

* see cables chapter

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

Depth gauge

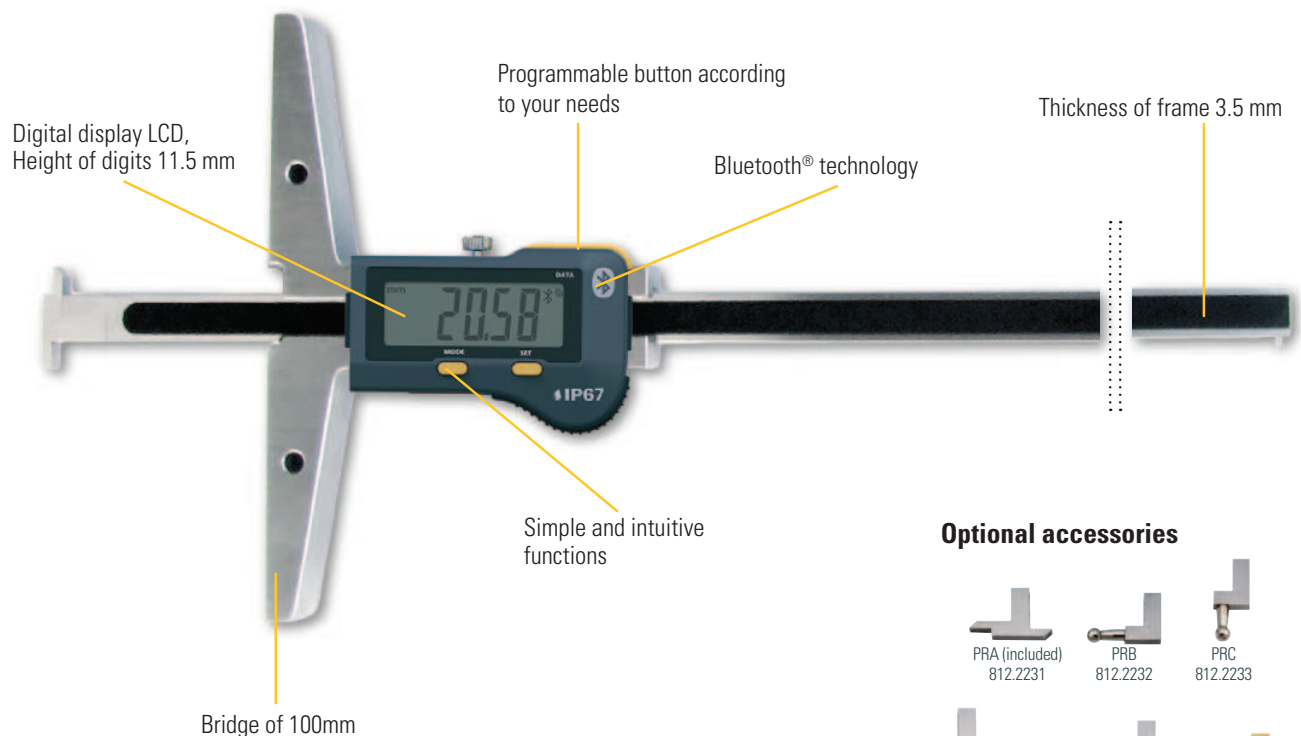
S_Depth EVO BTTJ

A

DESCRIPTION

TWO FIXED MEASURING JAWS

- **Integrated *Bluetooth®* technology**
- Special depth gauge with bridge 100mm and clamping screw
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded



Optional accessories



SIS Smart Inductive System



IP67

Interchangeable anvils

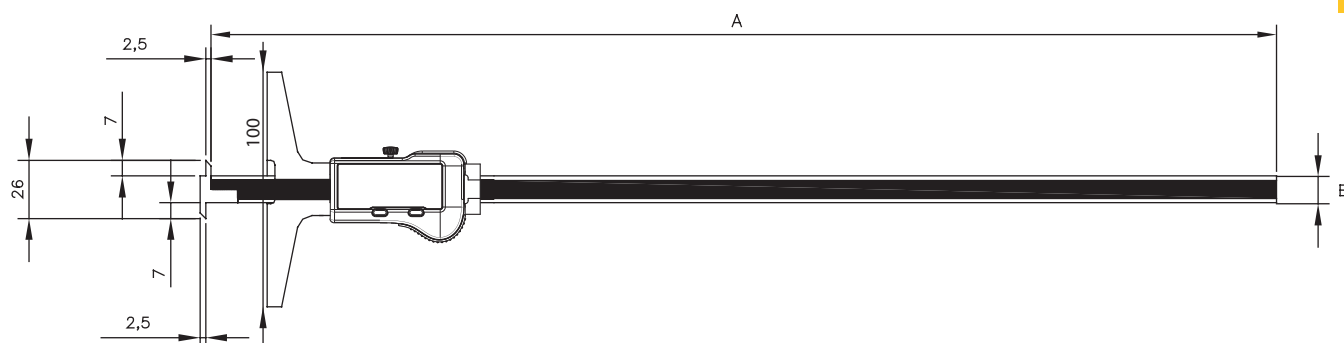
Depth gauge

S_Depth EVO BTTJ

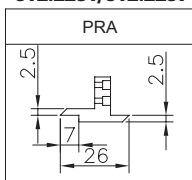
DIMENSIONAL DRAWING

TWO FIXED MEASURING JAWS

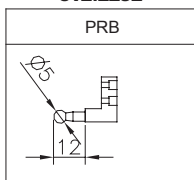
A



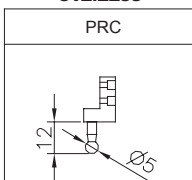
812.2231/812.2237



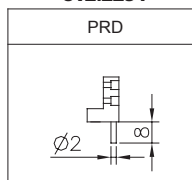
812.2232



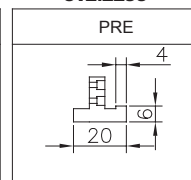
812.2233



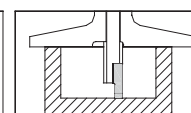
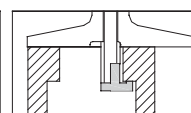
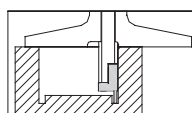
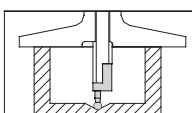
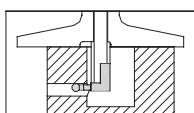
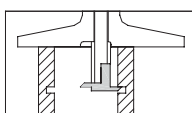
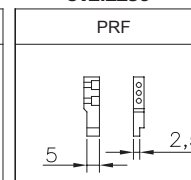
812.2234



812.2235



812.2236



TECHNICAL SPECIFICATIONS

		812.1601	812.1603	812.1605
Measuring range	mm	200	300	500
Max. Error	µm	30	30	50
Resolution	mm	0.01		
A	mm	300	400	600
B	mm	16x3.5		
Connexion		Bluetooth® wireless technology*		
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data		
Smart Inductive Sensor		●		

* see cables chapter

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

Depth gauge

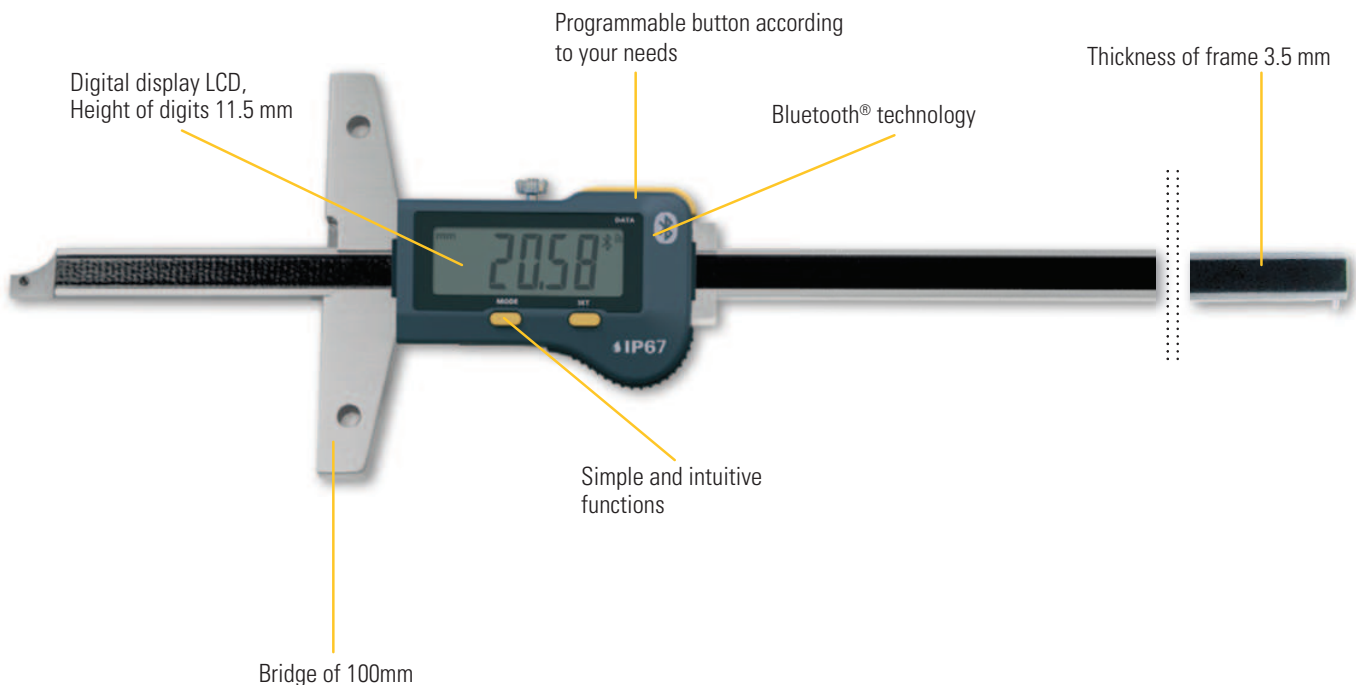
S_Depth EVO BT SF

A

DESCRIPTION

SHORTCUT MEASURING FACE

- **Integrated *Bluetooth®* technology**
- Special depth gauge with bridge 100mm and clamping screw
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded



SIS Smart Inductive System



IP67

Bridge of 100mm with clamping screw

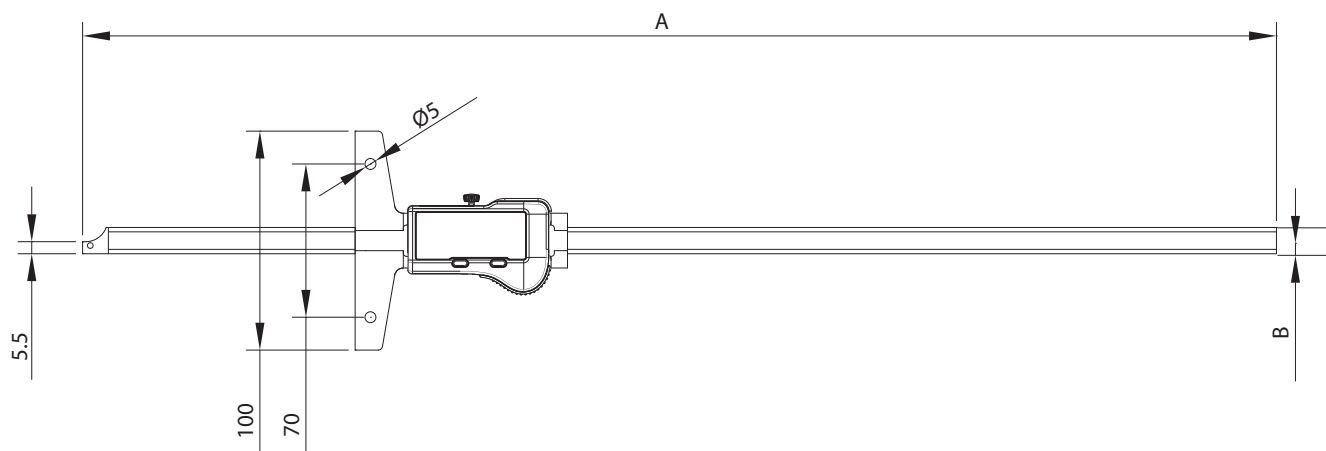
Depth gauge

S_Depth EVO BT SF

DIMENSIONAL DRAWING

SHORTCUT MEASURING FACE

A



TECHNICAL SPECIFICATIONS

		812.1611	812.1613	812.1615
Measuring range	mm	200	300	500
Max. Error	µm	30	30	50
Resolution	mm	0.01		
A	mm	300	400	600
B	mm	16x3.5		
Connexion		Bluetooth® wireless technology*		
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data		
Smart Inductive Sensor		●		

* see cables chapter

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

Depth gauge

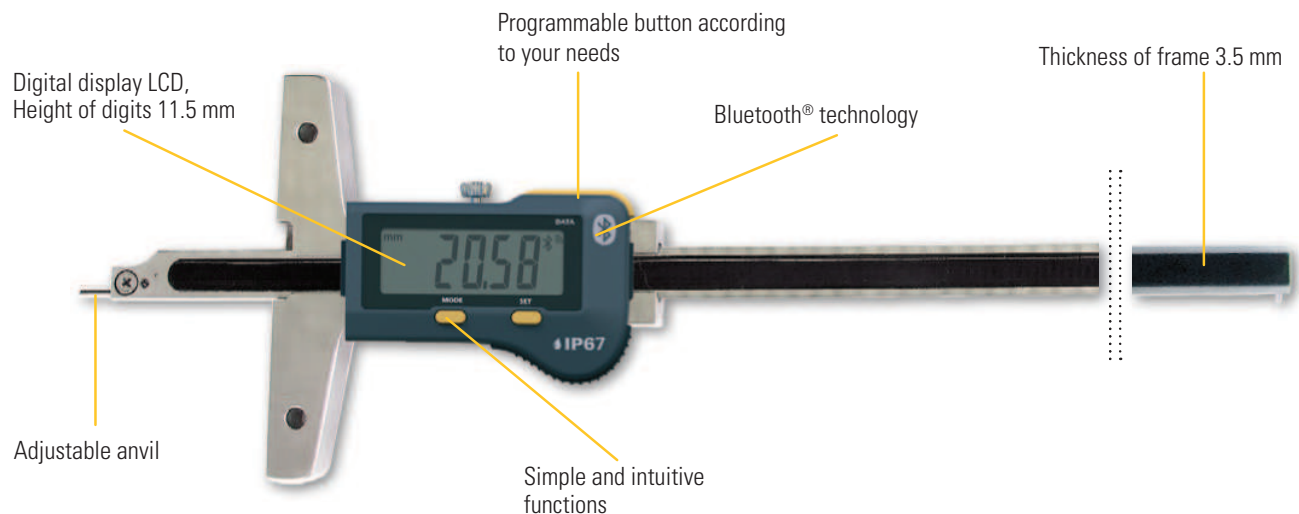
S_Depth EVO BT RP

A

DESCRIPTION

ROTARY PIN

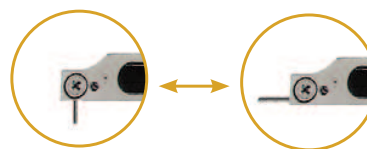
- **Integrated *Bluetooth®* technology**
- Special depth gauge double with adjustable anvil and clamping screw
- Programmable button according to your needs
- Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529,
- Automatic wake-up by moving the electronic on his frame. (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***
- Maximum speed of displacement : 2.5 m/sec
- Mechanical frame in stainless steel, hardened and grinded



SIS | Smart Inductive System



IP67



Adjustable anvil !

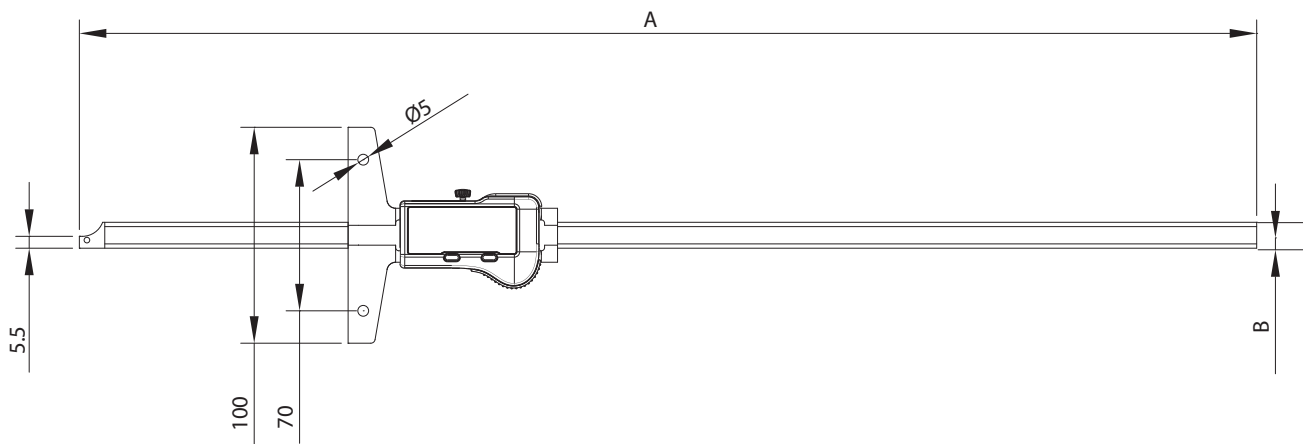
Depth gauge

S_Depth EVO BT RP

DIMENSIONAL DRAWING

ROTARY PIN

A



TECHNICAL SPECIFICATIONS

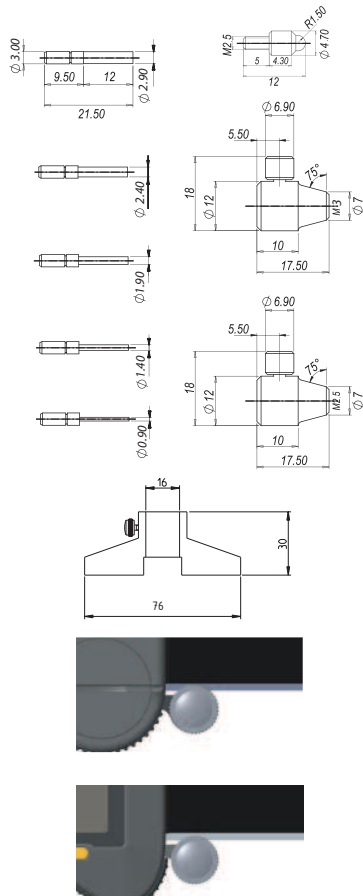
		812.1621	812.1623	812.1625
Measuring range	mm	200	300	500
Max. Error	µm	30	30	50
Resolution	mm	0.01		
A	mm	300	400	600
B	mm	16x3.5		
Connexion		Bluetooth® wireless technology*		
Functions		Zero setting, Preset (max 999.99), mm/inch, Hold, Data		
Smart Inductive Sensor		●		

* see cables chapter

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

S_Cal / S_Depth

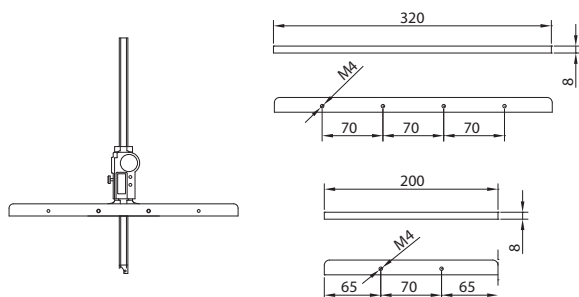
A ACCESSORIES FOR CALIPERS



		S_Cal PRO S_Cal PRO μm	S_Cal EVO	S_Cal EVO BT	S_Cal EVO μm
910.2207	Accessory kit for S_Cal	•	•	•	•
910.2205	Base for Depth Measurement	•	•	•	•
910.2201	Thumb wheel	•			
810.2203	Thumb wheel		•	•	•

See also chapter cables.

ACCESSORIES FOR SPECIAL DEPTH CALIPER (TJ / SF / RP)



		Length	Thickness
812.2240	Additional base	320	8
812.2241	Additional base	200	8

S_Cal / S_Depth

BASIC INSTRUMENT

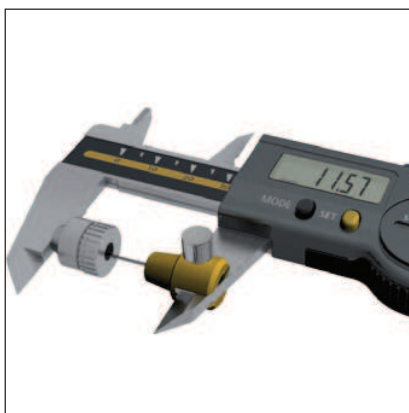
- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual
- Calibration certificate (S_Cal PRO et EVO μm)

A

APPLICATIONS



Depth measurement with S_Cal PRO and base 910.2205.



S_Cal with kit 910.2207
Depth measurement of small internal $\varnothing$



S_Cal PRO μm
Comparison measurement



Part measurement with S_Cal μm



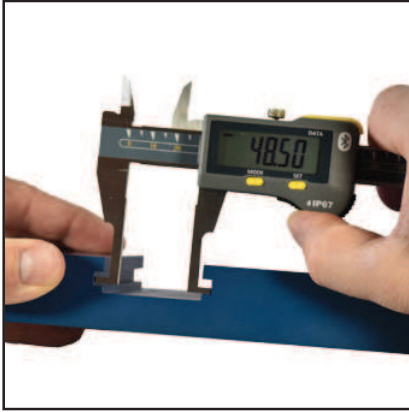
Part measurement with sending data



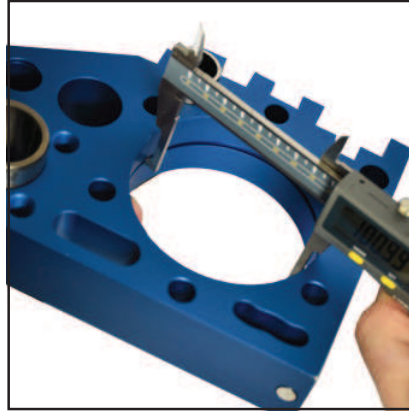
Depth measurement with S_Cal EVO μm

Special S_Cal & S_Depth

A APPLICATIONS



Internal groove measurement with S_Cal EVO BT IG



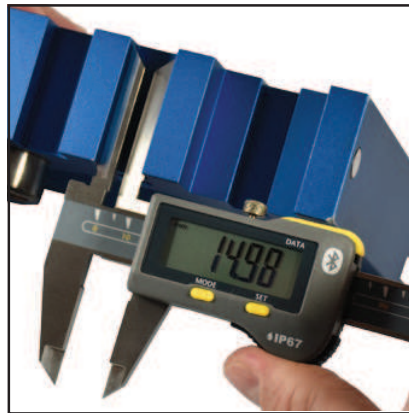
Internal groove measurement with S_Cal EVO BT IG



Internal measurement with S_Cal EVO BT PJ



Deep measurement with S_Cal EVO BT DM



Deep measurement with S_Cal EVO BT DM



External groove measurement with S_Cal EVO BT EG



External groove measurement with S_Cal EVO BT EG



External groove measurement with S_Cal EVO BT EG



S_Depth EVO BT TJ communicating with Sylvac BT Smart App on touchpad

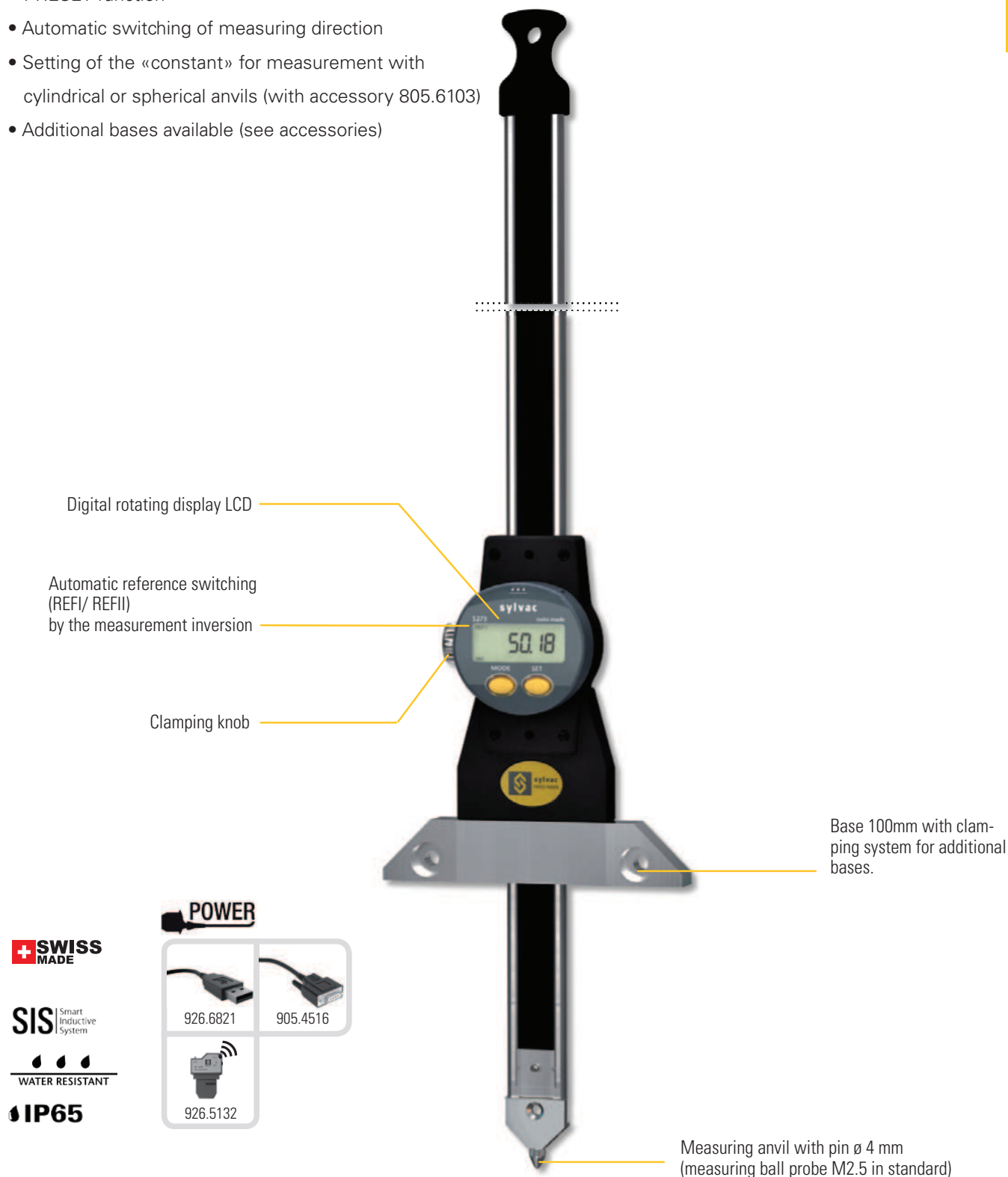
Depth gauge

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)

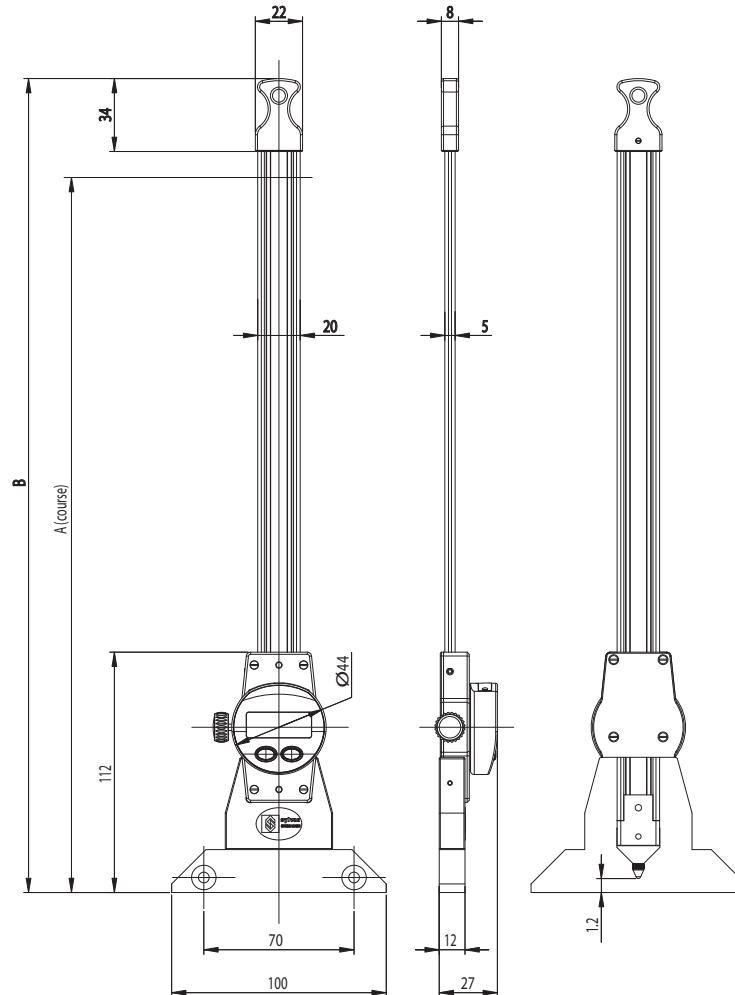
A



Depth gauge

S_Depth PRO

A DIMENSIONAL DRAWING



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
S_Connect : Power		USB / RS232 / Wireless ²⁾	
2 References		●	
PRESET function		●	

¹⁾ ± 1 digit

²⁾ see cables chapter

Depth gauge

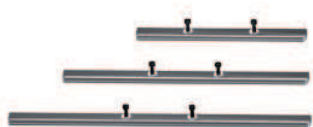
S_Depth PRO

BASIC INSTRUMENT

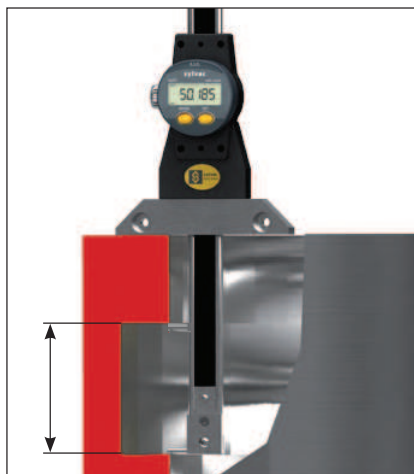
- Instrument according to technical specifications
- Lithium battery CR2032 included
- Instruction manual

A

COMPATIBLE ACCESSORIES

			Length	Thickness
	805.2180	Additional base	180 mm	8 mm
	805.2260	Additional base	260 mm	8 mm
	805.2320	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



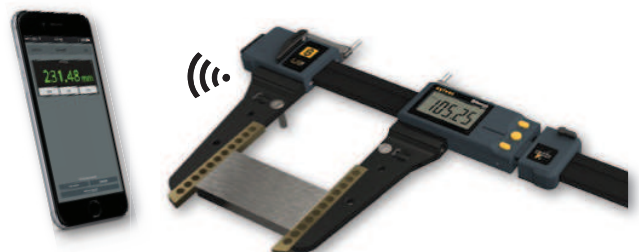
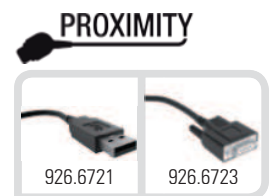
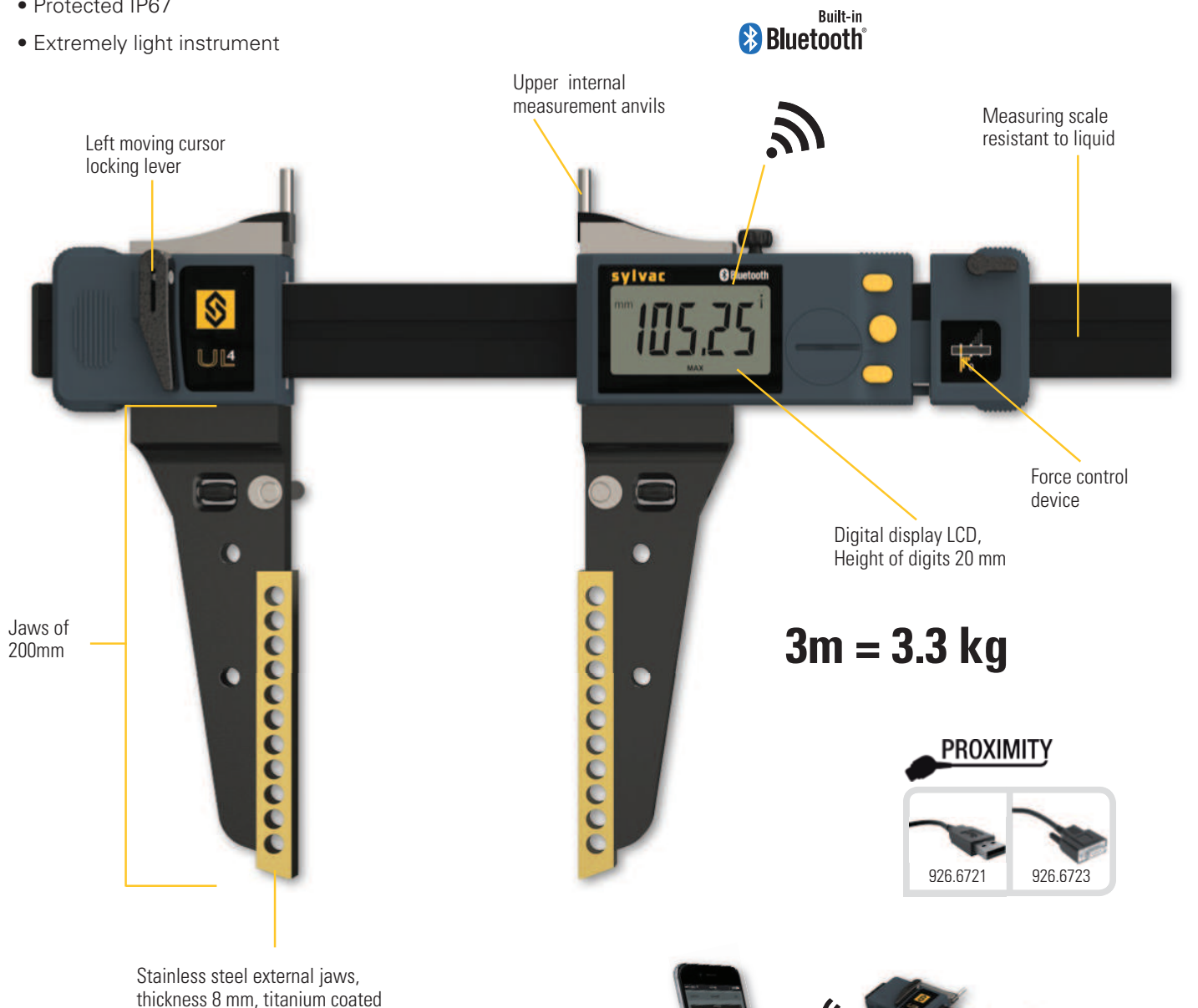
Depth measurement in a drilling with an additional base

Ultra light caliper

UL4

A DESCRIPTION

- Ultra light caliper for external and internal measurements
- **Integrated Bluetooth® technology**
- New Series with extra large display
- Aluminium beam reinforced by four stainless steel rods
- Long jaws 200 mm coated with titanium
- New carbide upper internal tips
- Measuring force applied control
- Protected IP67
- Extremely light instrument



IP67

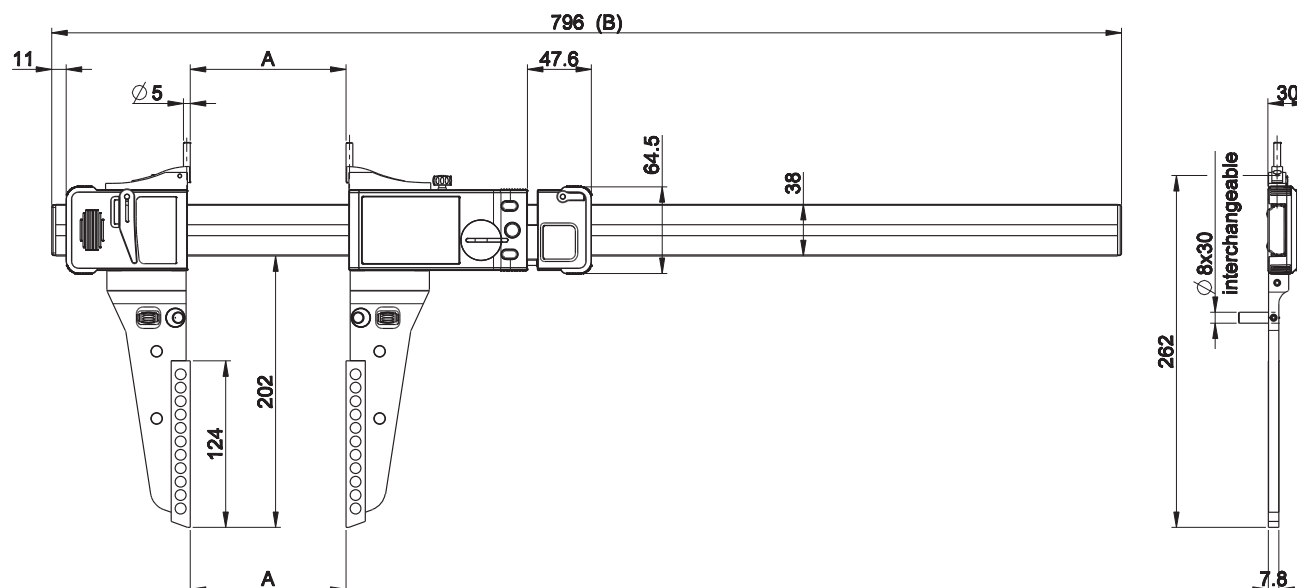
WATER RESISTANT

SWISS MADE

Ultra light caliper

UL4

DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

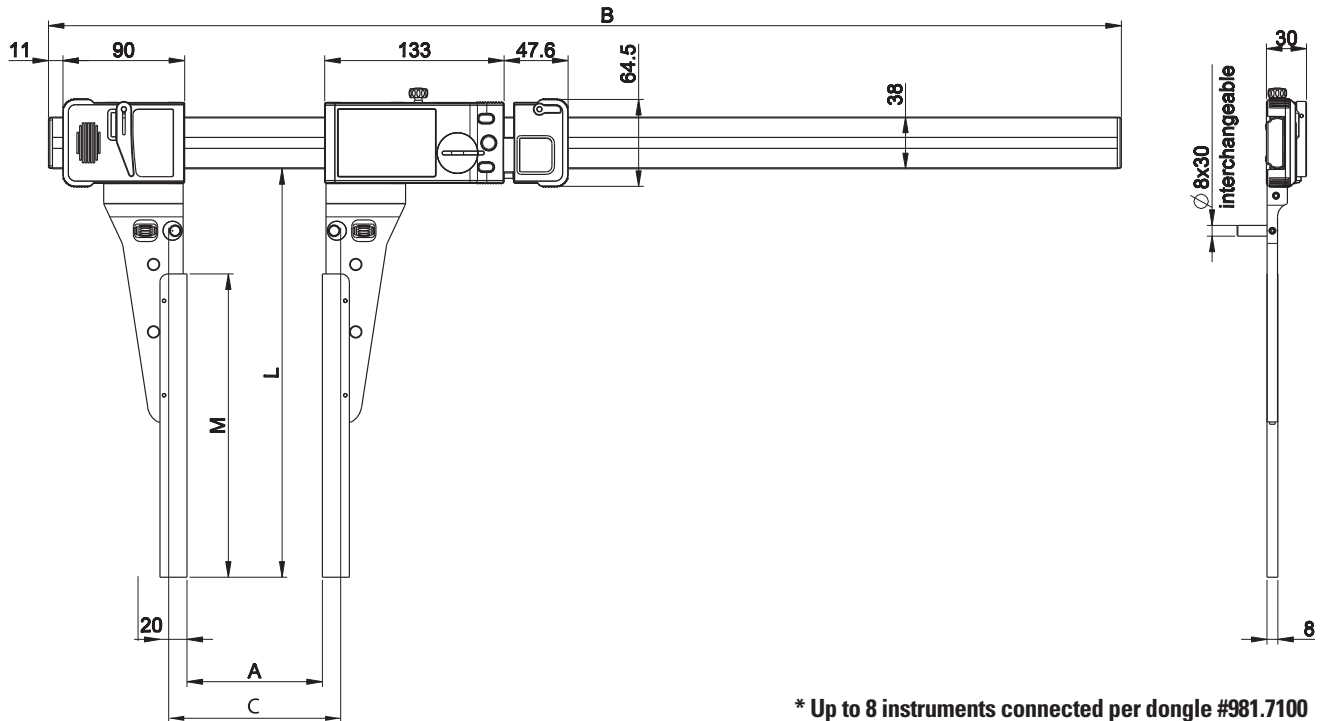
		811.1404	811.1406	811.1410	811.1415	811.1420	811.1425	811.1430
Measuring range	mm	400	600	1000	1500	2000	2500	3000
Max.Error	µm	30	40	50	90	120	150	200
Repeatability	µm	20				30		
Resolution	mm	0.01						
A	mm	0-478	0-683	0-1093	0-1608	0-2123	0-2638	0-3153
C	mm	27-505	27-710	27-1110	27-1635	27-2150	27-2665	27-3180
B	mm	796	1001	1411	1926	2441	2956	3471
Measuring Force	N	7.5 - 11.5 (±20%)						
Connections		Bluetooth® wireless technology* / Proxi.-RS232 , -USB						
IP67 Protection		●						
Preset max.		±9999.99 mm / ±399.9995 IN						
Weight	kg	1.5	1.6	1.9	2.3	2.6	2.9	3.3
Setting by PC		●						
2 references		●						
Min/Max function		●						
Tolerance limit indicators		●						

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

Ultra light caliper

UL4

A SPECIAL EXECUTIONS | SPECIAL JAWS TYPE A



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

TECHNICAL SPECIFICATIONS

		811.2316.99	811.2317.99
Special jaws (pair)		Lenght L to specify with order (max 400 mm)	
L	mm	≤ 300	≤ 400
M	mm	L - 75	

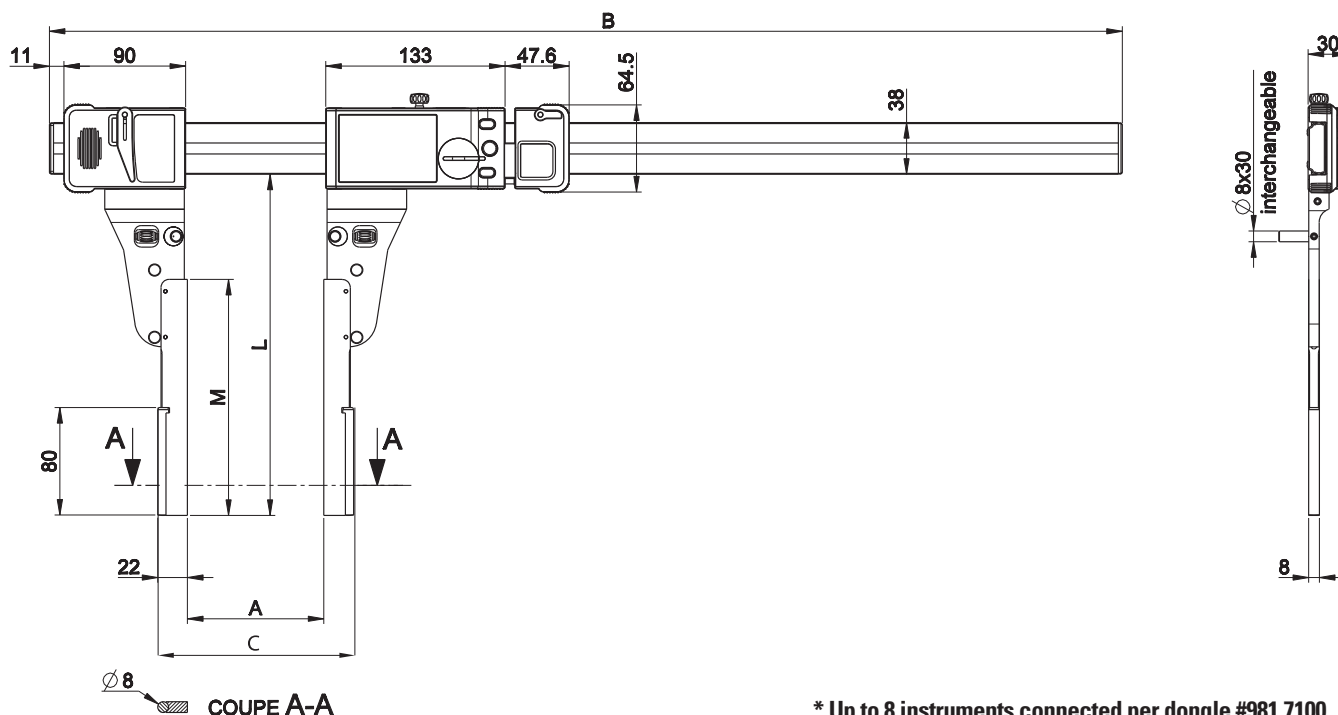
		UL 400	UL 600	UL 1000	UL 1500	UL 2000	UL 2500	UL 3000
UL specification		Max. error. [μm] / Repeatability [μm]						
With Jaws 811.2316.99		40/20	50/20	70/20	130/30	180/40	220/40	320/40
With Jaws 811.2317.99		70/40	80/40	120/40	200/50	300/60	400/70	500/80
Measuring range	mm	400	600	1000	1500	2000	2500	3000
A	mm	0-478	0-683	0-1093	0-1608	0-2123	0-2638	0-3153
C	mm	27-505	27-710	27-1110	27-1635	27-2150	27-2665	27-3180
B	mm	796	1001	1411	1926	2441	2956	3471
Resolution	mm	0.01						

Ultra light caliper

UL4

SPECIAL EXECUTIONS | SPECIAL JAWS TYPE C

A



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

TECHNICAL SPECIFICATIONS

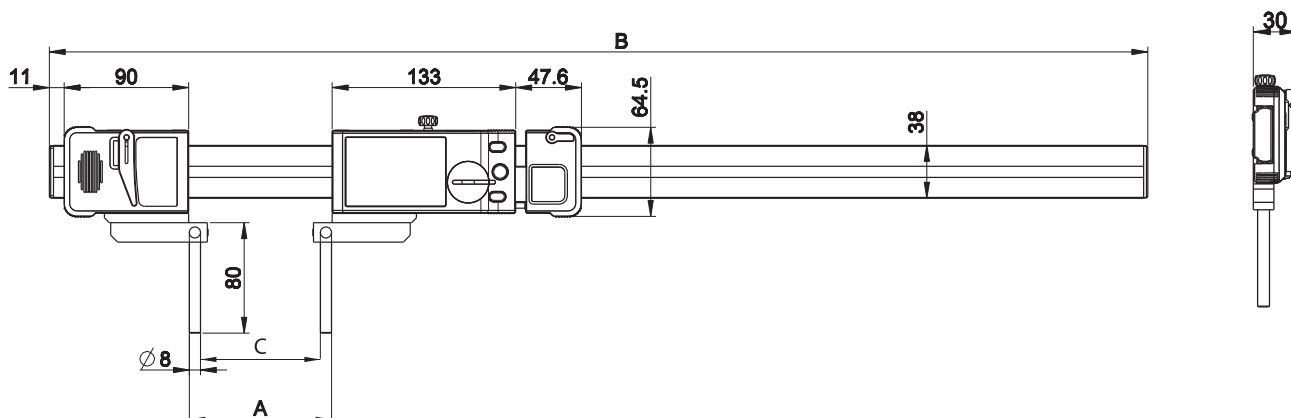
			811.2319.99
Special jaws (pair)		Lenght L to specify with order (max 300 mm)	
L max	mm	300	
M	mm	L - 75	

		UL 400	UL 600	UL 1000	UL 1500	UL 2000	UL 2500	UL 3000
UL specification		Max. error. [µm] / Repeatability [µm]						
With Jaws ≤ 200	mm	40/20	50/20	70/30	120/30	170/30	210/30	300/40
With Jaws ≤ 300	mm	50/30	60/30	90/30	150/30	200/40	300/40	400/50
Measuring range	mm	400	600	1000	1500	2000	2500	3000
A	mm	0-478	0-683	0-1093	0-1608	0-2123	0-2638	0-3153
C	mm	44-522	44-727	44-1137	44-1652	44-2167	44-2682	44-3197
B	mm	796	1001	1411	1926	2441	2956	3471
Resolution	mm	0.01						

Ultra light caliper

UL H4

A DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

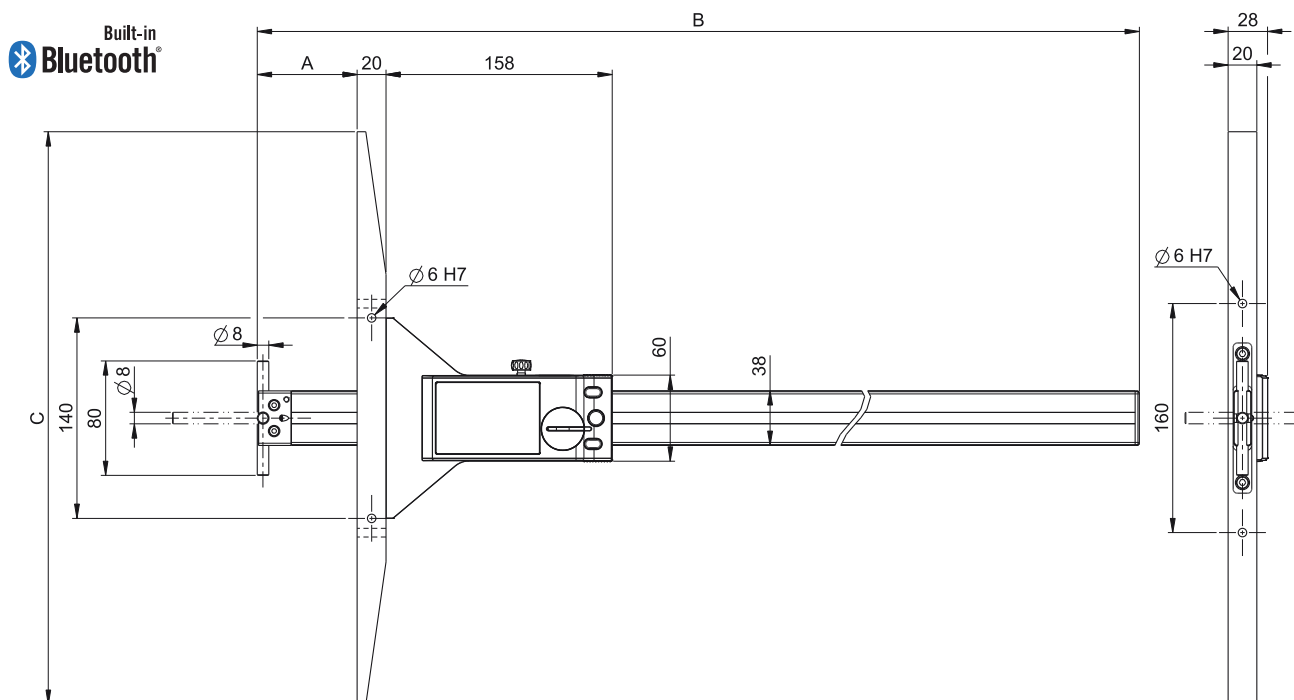
		811.8040	811.8060	811.8100	811.8150	811.8200	811.8250	811.8300
Measuring range	mm	400	600	1000	1500	2000	2500	3000
Max.Error	µm	30	40	50	90	120	150	200
Repeatability	µm	20				30		
Resolution	mm	0.01						
A	mm	26-480	26-685	26-1095	26-1610	26-2125	26-2640	26-3155
C	mm	10-464	10-669	10-1079	10-1594	10-2109	10-2624	10-3139
B	mm	796	1001	1411	1926	2441	2956	3471
Measuring Force	N	7.5 - 11.5 (±20%)						
Connections		Bluetooth® wireless technology* / Proxi.-RS232 , -USB						
IP67 Protection		●						
Preset max.		±9999.99 mm / ±399.9995 IN						
Weight	kg	1.1	1.2	1.5	1.9	2.2	2.5	2.9
Setting by PC		●						
2 references		●						
Min/Max function		●						
Tolerance limit indicators		●						

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

Ultra light depth gauge

UL V4

DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

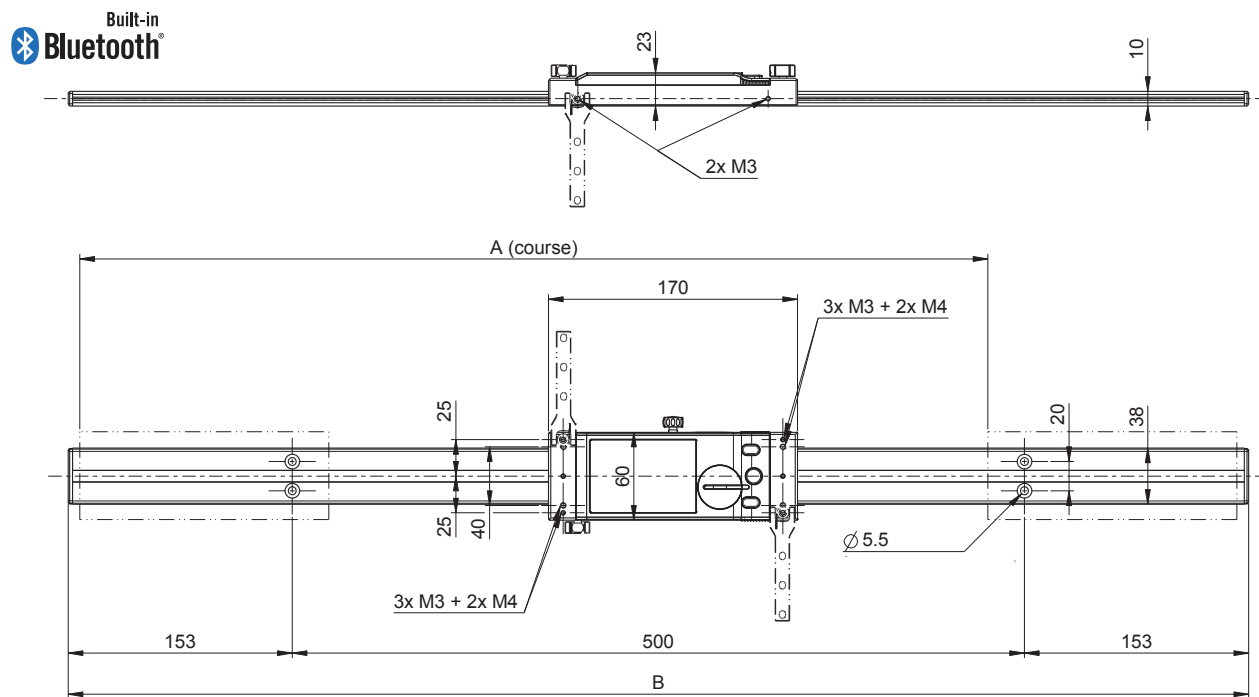
		811.6100	811.6150
Measuring range	mm	1000	1500
Max.Error	µm	100	130
Repeatability	µm	20	
Resolution	mm	0.01	
A	mm	0 - 1030	0 - 1545
C	mm	400	600
B	mm	1242	1757
Connections		Bluetooth® wireless technology* / Proxi.-RS232 , -USB	
IP67 Protection		●	
Preset max.		±9999.99 mm / ±399.9995 IN	
Weight	kg	2.2	3.16
Setting by PC		●	
2 references		●	
Min/Max function		●	
Tolerance limit indicators		●	

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

Ultra light digital scale

UL D4

A DIMENSIONAL DRAWING



TECHNICAL SPECIFICATIONS

		814.1510	814.1515	814.1520	814.1525	814.1530
Measuring range	mm	1000	1500	2000	2500	3000
Max. Error	µm	60	90	120	150	200
Repeatability	µm	20				
Resolution	mm	0.01				
A	mm	0 - 1120	0 - 1620	0 - 2120	0 - 2620	0 - 3120
B	mm	1306	1806	2306	2806	3306
Number range of raws		3	4	5	6	7
Connections		Bluetooth® wireless technology* / Proxi.-RS232 , -USB				
IP67 Protection		●				
Preset max.		±9999.99 mm / ±399.9995 IN				
Weight	kg	1.2	1.5	1.8	2.2	2.5
Setting by PC		●				
2 references		●				
Min/Max function		●				
Tolerance limit indicators		●				

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

Ultra light caliper

UL4

BASIC INSTRUMENT

A



UL4 Standard

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Calibration certificate for UL up to 3000mm
- Upper internal measurement anvil (811.2323 - 2pcs)
- Universal base 811.2301
- Instruction manual



UL4 Special Jaws Type A

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Special long jaws Type A (811.2316.99 or 811.2317.99)
- Length of jaws to specify when order (max. 400mm)
- Instruction manual



UL4 Special Jaws Type C

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Special long jaws Type C (811.2319.99)
- Length of jaws to specify when order (max. 300mm)
- Instruction manual

Ultra light caliper

A BASIC INSTRUMENT



ULH4

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Calibration certificate for UL up to 3000mm
- Universal base 811.2301
- Anvil holder 811.2302
- Long cylindrical anvil Ø8x80mm (811.2324)
- Instruction manual



ULV4

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Long cylindrical anvil Ø8x80mm (811.2324)
- Bridge 400mm or 600mm
- Instruction manual



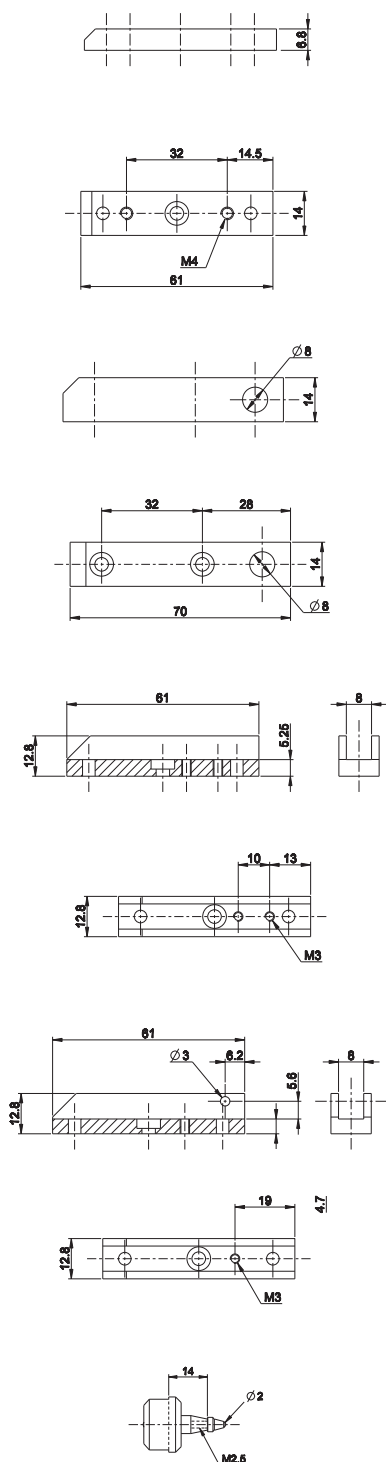
ULD4

- Instrument according to technical specifications
- Lithium battery CR2477 included
- Driving shaft
- Instruction manual

Ultra light caliper

ACCESSORIES

A

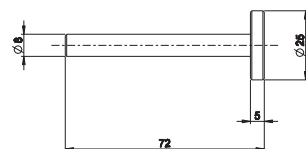
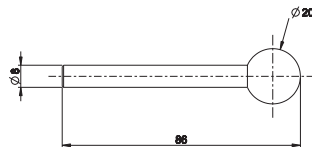
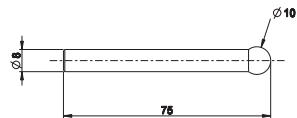
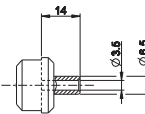
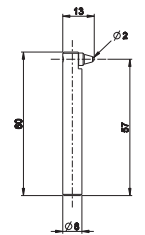
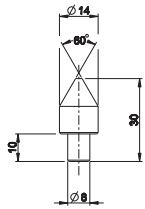


		UL4	UL H4	ULV4	UL D4
811.2301	Universal base (2 pieces)	●	●		
811.2302	Ø8 Anvil holder (2 pieces, to combine with 811.2301)	●	●		
811.2303	Accessories holder (2 different pieces)	●	●		
811.2305	Support with int. thread M 2.5 (2 pieces)	●			

See also cables chapter

Ultra light caliper

A ACCESSORIES



		UL4	UL H4	ULV4	ULD4
811.2307	Inserts in hardened steel, cone 60° for bore clearance measurement > 10 mm, (2 pieces)	●	●		
811.2309	Holder for dial gauge contact points for internal groove measurement, (2 pieces)	●	●		
811.2304	Thread anvils holders (2 pieces)	●			
811.2310	Anvil Ø10mm (2 pieces)	●	●		
811.2311	Anvil Ø20mm (2 pieces)	●	●		
811.2312	Anvil Ø25x5mm (2 pieces)	●	●		
811.6306	Wooden box for UL4 400 and 600mm	●	●		
811.6310	Wooden box for UL4 1000mm	●	●		
811.6315	Wooden box for UL4 1500mm	●	●		

See also cables chapter

Ultra light caliper

ACCESSORIES

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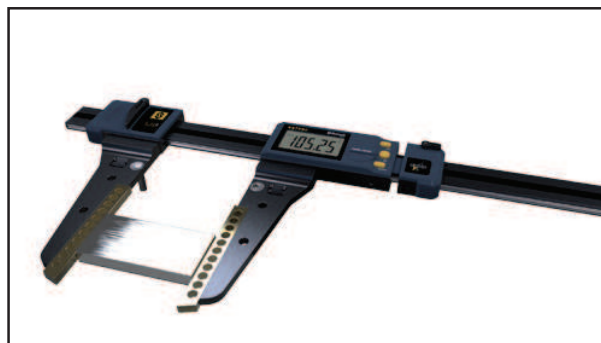


		UL4	UL H4	ULV4	UL D4
811.2321	Lower plate for internal anvil (2 pieces) (for Bowers Unical's «L anvils»)	●	●		
811.2322	Lower internal anvil (2 pieces)	●	●		
811.2323	Upper internal measurement anvil (2 pieces)* (to combine with 811.2303)	●	●		
811.2324	Long cylindrical anvil Ø8x80mm (2 pieces) (to combine with 811.2303)	●	●		
811.2325	Cylindrical anvil Ø8x30mm (2 pieces)	●	●		

APPLICATIONS



Internal measure with UL4



External measure with UL4

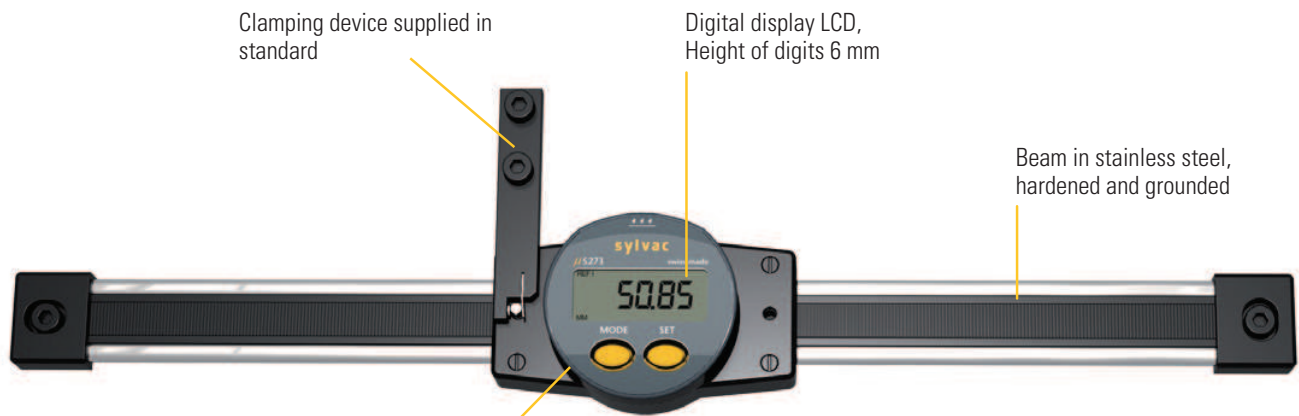


Digital scales

S_Scale WORK

A DESCRIPTION

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



Aluminium carriage
Plastic rotating display on 270°

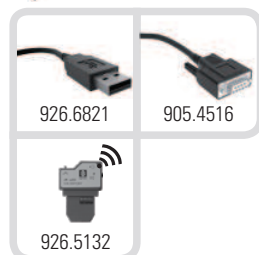
SWISS
MADE

SIS | Smart
Inductive
System

WATER RESISTANT

IP65

POWER

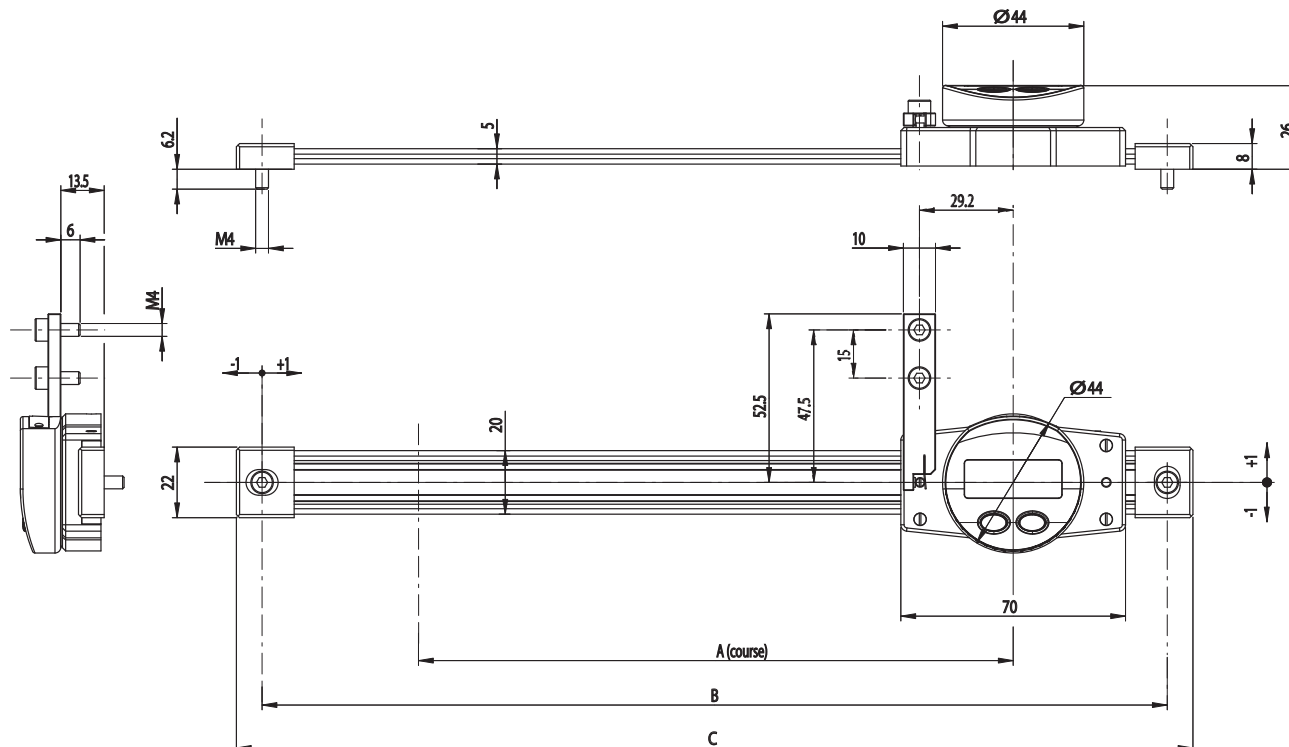


Digital scales

S_Scale WORK

DIMENSIONAL DRAWINGS

A



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
S_Connect : Power		USB / RS232 / Wireless ²⁾			
Selection of measuring direction		•			
PRESET function		•			
2 references		•			

¹⁾ ± 1 digit

²⁾ see cables chapter