sylvac

Experts in connected metrology!

SETTING THE BAR EVEN HIGHER WITH EVO CALIPERS!

EVO



SIS Smart Inductive System

IOT READY

SWISS MADE

A comprehensive range

New design

IP67 for the entire range

All models are equipped with the reputable SIS system, are insensitive to magnetic fields and liquids and operate with low consumption and a battery life of up to 3 years.
Standard or special jaws, we have all the solutions.

Sylvac SA - Avenue des Sciences 19, 1400 Yverdon-les-Bains (CH)
Tel. +41 21 637 67 57 - Email. info@sylvac.ch - Web. www.sylvac.ch

sylvac SWISS MADE

BASIC

SIS Smart Inductive System

Very low consumption
Automatic sleep mode and re-activation
Memorisation of the position



- Basic version, with no data output
- Measuring range up to 300mm

TECHNICAL SPECIFICATIONS

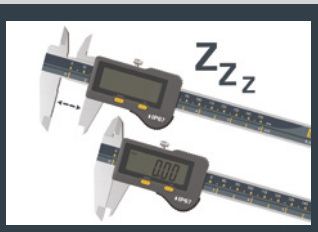
		810.1502	810.1507	810.1522	810.1532
Model	mm	Basic	Basic	Basic	Basic
Measuring range	mm	150	150	200	300
Depth gauge	mm	4x1.4	Ø1.5	4x1.4	-
Resolution	mm	0.01	0.01	0.01	0.01
Protection		IP67	IP67	IP67	IP67

IP67 SIS Smart Inductive System DIN 862

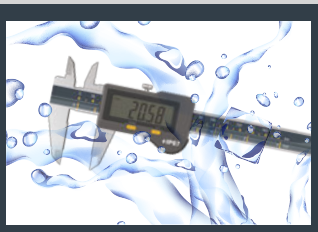
SPECIFICATIONS



Depth gauge



Absolute system S.I.S.



IP67 protection



Large display

PROXIMITY

PROXIMITY



810.1702



810.9702

1µm

Like the Basic version and in addition:

- Proximity data output via RS232 or USB
- Also available with micron resolution

TECHNICAL SPECIFICATIONS

		810.1702	810.1707	810.1722	810.1732	810.9702	810.9707
Model	mm	Proximity	Proximity	Proximity	Proximity	Proximity Micron	Proximity Micron
Measuring range	mm	150	150	200	300	150	150
Depth gauge	mm	4x1.4	Ø1.5	4x1.4	-	4x1.4	Ø1.5
Resolution	mm	0.01	0.01	0.01	0.01	0.001	0.001
Protection		IP67	IP67	IP67	IP67	IP67	IP67

IP67 SIS Smart Inductive System DIN 862

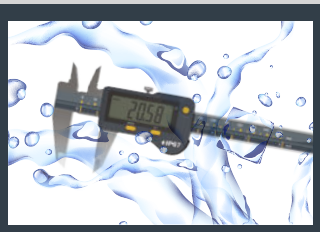
SPECIFICATIONS



Depth gauge



Micron version



IP67 protection



Proximity data output

SMART

IOT READY

Bluetooth®



SIMPLE - PAIr - HId

Like the Basic version and in addition:

- Bluetooth® wireless data output with 3 different connection profiles: Simple, Pair or HID
- Also available with micron resolution

TECHNICAL SPECIFICATIONS

		810.1506	810.1516	810.1526	810.1536	810.9506	810.9516
Model	mm	Smart	Smart	Smart	Smart	Smart Micron	Smart Micron
Measuring range	mm	150	150	200	300	150	150
Depth gauge	mm	4x1.4	Ø1.5	4x1.4	-	4x1.4	Ø1.5
Resolution	mm	0.01	0.01	0.01	0.01	0.001	0.001
Protection		IP67	IP67	IP67	IP67	IP67	IP67

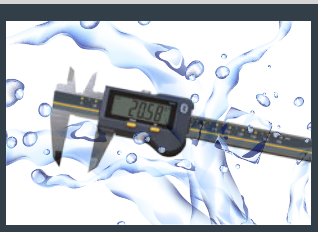
IP67 SIS Smart Inductive System DIN 862

SPECIFICATIONS



Depth gauge


Micron version


IP67 protection



Bluetooth® data output

CARBIDE



810.1509

Carbide jaws

810.1409

- Carbide jaws
- With or without Bluetooth® wireless data output (Simple, Pair, HID)

TECHNICAL SPECIFICATIONS

		810.1509	810.1409
Model	mm	Carbide Smart	Carbide
Measuring range	mm	150	150
Depth gauge	mm	4x1.4	Ø1.5
Resolution	mm	0.01	0.01
Protection		IP67	IP67

IP67 SIS Smart Inductive System DIN 862

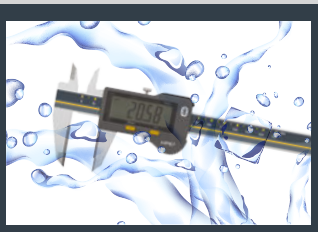
SPECIFICATIONS



Depth gauge



Carbide jaws



IP67 protection



With or without data output

FORM E & B

IOT READY

Bluetooth®

WITH CONNECTION PROFILES

SIMPLE - PAIr - HId



- «Mid Size» R5 version for inside and outside measurements
- Bluetooth® wireless data output (Simple, Pair, HID)
- Measuring range up to 500mm

TECHNICAL SPECIFICATIONS

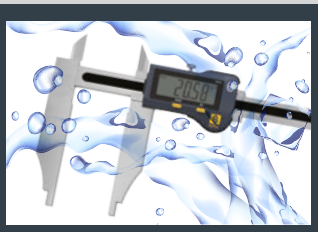
		810.1546	810.1556	810.1558
Model	mm	Form E Smart	Form B Smart	Form B Smart
Measuring range	mm	300	300	500
Bar section	mm	17x5	17x5	17x5
Resolution	mm	0.01	0.01	0.01
Protection		IP67	IP67	IP67

IP67 SIS Smart Inductive System DIN 862

SPECIFICATIONS


Measurement jaws

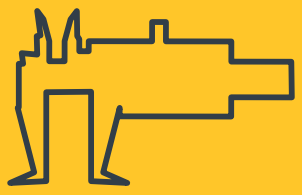

Wide selection of functions


IP67 protection



Bluetooth® data output

SPECIAL





Like the Smart version and in addition:

- Special jaws for measuring internal or external grooves and deep measurements, depending on the model.

TECHNICAL SPECIFICATIONS

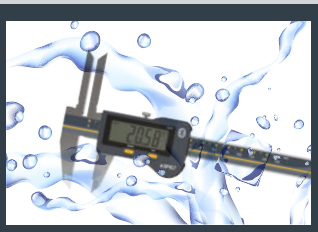
		810.1600	810.1601	810.1602	810.1603
Model	mm	Internal Groove	Points Jaws	External Groove	Deep Measurement
Measuring range	mm	150	150	150	150
Depth gauge	mm	4x1.4	4x1.4	4x1.4	4x1.4
Resolution	mm	0.01	0.01	0.01	0.01
Protection		IP67	IP67	IP67	IP67

IP67 SIS Smart Inductive System DIN 862

SPECIFICATIONS

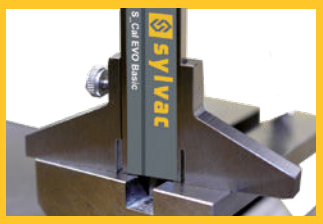

Special jaws


Depth gauge


IP67 protection


Bluetooth® data output

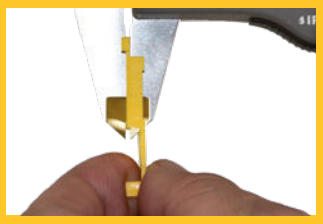
SWISS MADE









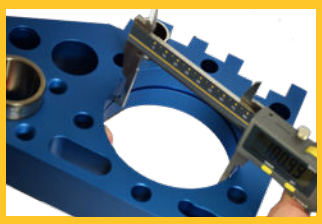




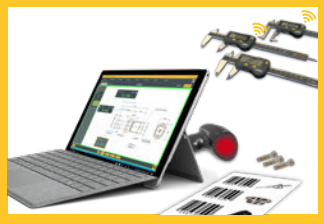
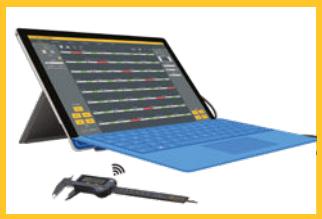









sylvac

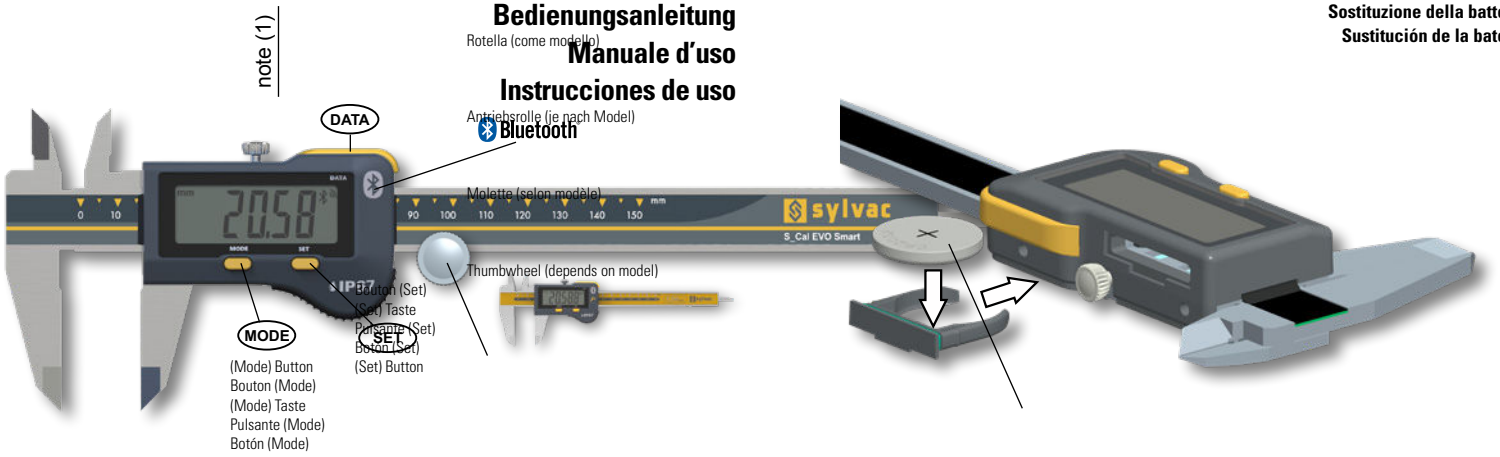
Experts in connected metrology !

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Sylvac is under license. Other trademarks and trade names are those of their respective owners.

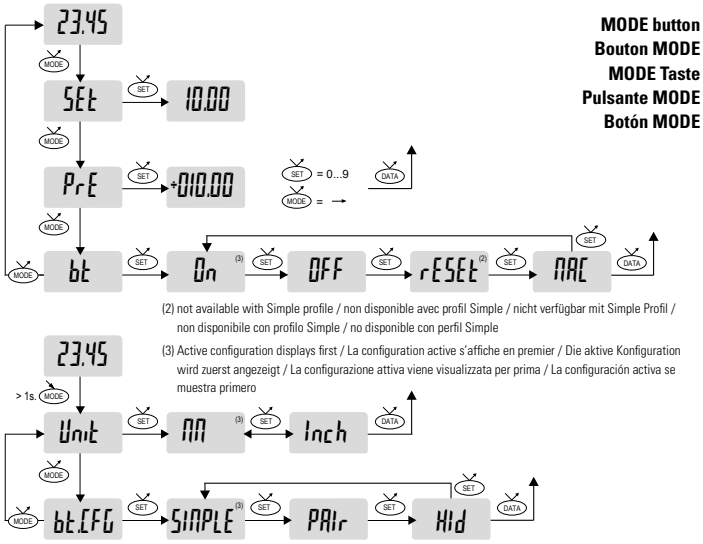
S_Cal EVO Smart & Smart Micron

Instructions
Mode d'emploi
Bedienungsanleitung
Manuale d'uso
Instrucciones de uso

Replacing the battery
Changement de la pile
Auswechseln der Batterie
Sostituzione della batteria
Sustitución de la batería



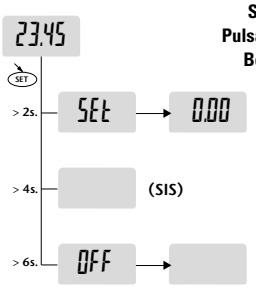
MODE button
Bouton MODE
MODE Taste
Pulsante MODE
Botón MODE



(2) not available with Simple profile / non disponible avec profil Simple / nicht verfügbar mit Simple Profil / non disponibile con profilo Simple / no disponible con perfil Simple

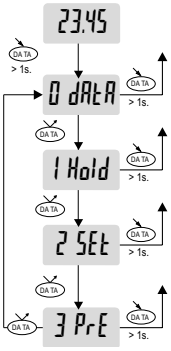
(3) Active configuration displays first / La configuration active s'affiche en premier / Die aktive Konfiguration wird zuerst angezeigt / La configurazione attiva viene visualizzata per prima / La configuración activa se muestra primero

SET button
Bouton SET
SET Taste
Pulsante SET
Botón SET



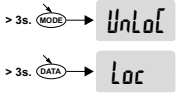
Favorite settings
Options favorites
Konfiguration Favoriten
Opzioni preferite
Opciones favoritas

→ note (1)



Activation/Deactivation Favorite settings
Activation/Désactivation Options favorites
Aktivierung/Deaktivierung Konfiguration Favoriten
Attivazione/Disattivazione Opzioni preferite
Activatión/Desactivatión Opciones favoritas

(1)



Configuration
Configuration
Konfiguration
Configurazione
Configuración

Bluetooth®

off / éteint / aus / spento / apagado	disconnected / déconnecté / keine Verbindung / scollegata / desconectado
blinking / clignote / blinkend / lampeggiante / parpadeante	advertising / détection / bereit zur Verbindung / scoperta / detección
on / allumé / stehend / acceso / encendido	connected / connecté / Verbindung hergestellt / collegata / conectado
rESEt	clear pairing information / efface les informations d'appairage / Kopplung aufheben / cancellare le informazioni di accoppiamento / eliminar su información de emparejamiento
MAC	display the MAC address / affiche l'adresse MAC / zeigt die MAC Adresse / visualizza l'indirizzo MAC / muestra la dirección MAC
SIMPLE	profile without pairing / profil non appairé / Profil ohne Kopplung / profilo non accoppiato / perfil no apareado
PAIr	paired and secured profile / profil appairé et sécurisé / Profil mit Kopplung und Verschlüsselung / profilo accoppiato e sicuro / perfil apareado y seguro
HId	virtual keyboard / clavier virtuel / virtuelle Tastatur / tastiera virtuale / teclado virtual

Technical data
Données techniques
Technische Daten
Specifiche
Especificación

Bluetooth®

Frequency band / Bande de fréquence / Frequenzband / Banda di frequenza / Banda de frecuencia	2.4GHz (2.402 - 2.480GHz)
Modulation / Modulation / Modulation /	
Modulazione / Modulación	GFSK (Gaussian Frequency Shift Keying)
Max output power / Puissance max / Max Leistungsabgabe / Potenza di cresta / Potencia de pico	Class 3: 1mW (0dBm)
Range / Portée / Reichweite / Portata / Alcance	Open space/Espace Ouvert/Im Freien/Spazio aperto/Espacio abierto : <15 m Industrial environment/Environnement industriel/Industrielles Umfeld/Ambiente industriale/Entorno industrial : 1-5 m
Autonomy / Autonomie / Autonomie /	**Continuous** : up to 2 months (Always connected with 4 values /s.) / jusqu'à 2 mois (Toujours connecté avec 4 valeurs /s.) / bis zu 2 Monaten (Immer verbunden mit 4

Specifications
Spécifications
Spezifikationen
Specificazioni
Especificaciones

Resolution / Résolution / Auflösung / Risoluzione / Resolucón	0.01 / .0005"	0.001 / .00005"
Measuring range / Etendue de mesure / Messbereich / Campo di misura / Campo de medida	150 mm - 6" / 200mm - 8" / 300mm - 12"	150 mm - 6"
Max. error / Erreur max. / Fehlergrenze / Error max / Error màx	100mm: 20µm 100-300mm: 30µm (DIN862)	100mm: 15µm 100-150mm: 20µm (DIN862)
Repetability / Répétabilité / Wiederholbarkeit / Ripetibilita / Repetibilidad	10µm / .0005"	4µm @40mm / .00015" @1.5"
Max slider speed / Vitesse max / Max Verteilgeschwindigkeit / Velocity max / Velicidad màx	Max 2.5m/s. - 100"/s.	
Display refresh rate / Nombre de mesure-s / Anzahl Messungens-s / Numero di mesura-s / Número de medidas-s	> 10 / s.	
Data output / Sortie de données / Datenausgang / Uscita dati / Salida de datos	Bluetooth® 4.0 2.4GHz	
Mean power consumpt. / Consommation moyenne / Verbrauch / Consumo / Consumo	45 µA	
Battery life / Vie de la batterie / Batterie-Lebensdauer / Autonomia / Autonomia	Bluetooth® OFF : 8000h Bluetooth® ON : See Bluetooth® technical data	
Working temperature (storage) / Température de travail (stockage) / Arbeitstemperatur(Lagerung) / Temperatura operativa (stoccaggio) / Temperatura de trabajo (almacenamiento)	+5° to +40°C (-10° to +60°C)	
Weight / Poids / Gewicht / Peso / Peso	175g / 205g / 275g	175g
Measuring system / Système de mesure / Messsystem / Sistema di misura / Sistema de medida	Sylvac system patented	
IP specification / Spécification IP / IP spezifikation / Specifica IP / Especificatión IP	IP 67 (IEC60529)	

Advanced functions and additional information: refer to website www.sylvac.ch

Certifications
Certifications
Zertifikat
Certificato
Certificado

CERTIFICATE OF CONFORMITY
We certify that this instrument has been manufactured in accordance with our Quality Standard and tested with reference to masters of certified traceability by the federal institute of Metrology.

CERTIFICAT DE CONFORMITE
Nous certifions que cet instrument a été fabriqué et contrôlé selon nos normes de qualité et en référence avec des étalons dont la traçabilité est reconnue par l'institut fédéral de métrologie.

QUALITÄTSZEUGNIS
Wir bestätigen, dass dieses Gerät gemäss unseren internen Qualitätsnormen hergestellt wurde und mittels Normalen mit anerkannter Rückverfolgbarkeit, kalibriert durch das eidgenössische Institut für Metrologie, geprüft worden ist.

CERTIFICATO DI CONFORMITÀ
Con il presente si certifica che questo strumento è stato prodotto secondo il nostro standard sulla qualità e controllato rispetto a campioni di riferibilità riconosciuta dall'instituto federale di metrologia.

CERTIFICADO DE CONFORMIDAD
Certificamos que este instrumento ha sido fabricado conforme a nuestras normas de calidad y ha sido controlado en relación con patrónes de trazabilidad reconocida por la oficina nacional de metrología.

Bluetooth® Certification

DESCRIPTION OF BLUETOOTH® MODULE:
This module is based on Nordic Semiconductor nRF8001 µBlue Bluetooth Low Energy Platform. The nRF8001 is a single chip transceiver with an embedded baseband protocol engine, suitable for ultra-low power wireless applications conforming to the Bluetooth Low Energy Specification contained within v4.0 of the overall Bluetooth specification. The nRF8001, used in the current revision of ISP091201, is a production product using a RoM for the baseband protocol engine.

US/CANADA CERTIFICATION

Sylvac

m.n : S_Cal EVO

This device contains
FCC ID: 2AAQS-ISP091201
IC: 11306A-ISP091201

JAPAN CERTIFICATION

R 001-A06167

TAIWAN CERTIFICATION

CCAH18LP2040T6

警語
經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。
前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

MEXICO CERTIFICATION

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Contiene modulo inalámbrico
Marca: Sylvac
Modelo: ISP091201D
IFT: RCPSYIS14-0655

Maintenance

Carefully dry all mechanical parts of the instrument after contact with liquids to ensure proper operation and to avoid corrosion. Do not use aggressive products (alcohol, trichloroethylene or others) to clean plastic parts. Don't expose the instrument to direct sunlight, heat or humidity.
Ne pas utiliser de produits agressifs (alcool, trichloréthylène, etc) pour le nettoyage des parties plastiques.
Ne pas entreposer l'instrument dans un endroit exposé au soleil, à la chaleur ou à l'humidité

Nach Kontakt mit Flüssigkeit die mechanischen Teile gut trocknen um ein einwandfreies Funktionieren zu garantieren und Rostprobleme zu vermeiden.
Keine aggressiven Produkte (Alkohol, Trichlorethylen oder andere) für die Reinigung der Kunstoffteile benutzen.
Die Instrumente nicht an einem der Sonne, Hitze oder Feuchtigkeit ausgesetzen Ort aufbewahren.

In caso di proiezione di liquidi, asciugare le parti metalliche dello strumento in maniera di garantire un buon funzionamento meccanico, ed per evitare i problemi di corrosione.
Non utilizzare prodotti aggressivi per la pulizia dell parti in plastico.
Non eporrere lo strumento al sole, vicino a findi di calore o all' unidità.

Seque cuidadosamente todas las partes metálicas del instrumento para evitar cualquier humedad y así garantizar un buen funcionamiento mecánico, y evitar óxido.
No use productos agresivos (alcohol,tricloretilo u otros) para limpiar las partes de plástico.
No guarde el instrumento en el sol, calor o humedad

Maintenance
Unterhalt
Avviso
Mantenimiento

BRAZIL CERTIFICATION
Este equipamento opera em caráter secondário, isto é, não tem direito à proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

MODELO: ISP091201D
08516-14-04584
ANATEL
MSIP-CRM-INs-ISP091201

SOUTH KOREA CERTIFICATION
Class A Equipment (Industrial Use)
이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로 합니다.

NOTICE:
Changes or modifications made to this equipment not expressly approved by Sylvac may void the FCC authorization to operate this equipment.

NOTICE:
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions.
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

RADIOFREQUENCY RADIATION EXPOSURE INFORMATION:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Sylvac is under license. Other trademarks and trade names are those of their respective owners.

Changes without prior notice
Sous réserve de toute modification
Änderungen vorbehalten
Soggetto a modifica senza preavviso
Reservados los derechos de modificación sin previo aviso

IP67

Edition : 2018.10 / 681.295.04
www.sylvac.ch

SYLVAC SA
Avenue des Sciences 19
CH-1400 Yverdon-Les-Bains

Tel +41 21 637 67 57
Fax +41 21 637 67 40
Email admin@sylvac.ch
www.sylvac.ch

EU DECLARATION OF CONFORMITY (DoC)

We, Sylvac SA, hereby declare under our sole responsibility that the product

Name	S_Cal Evo Smart
Description	Professional caliper with Bluetooth® wireless technology
Part Numbers	810.1506, 810.1516, 810.1526, 810.1536, 810.1409, 810.1509 810.9506, 810.9516, 810.1602, 810.1600, 810.1601, 810.1603, 810.1546, 810.1556, 810.1558

has been submitted to a conformity assessment and fulfils the essential requirements of the following European directives

2001/95/EC	General product safety
2014/30/EU	EMC
2011/65/EU & 2015/863/EU	RoHS
2014/53/EU	Radio Equipment Directive (RED)

and complies with the following harmonized standards or other normative documents

EN 61326-1:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 300 328 V1.7.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems

Person authorized to compile the technical file and issue the declaration of conformity: Eric Schnyder

Place and date of issue	Yverdon-Les-Bains, September 12, 2019
Name (position)	Eric Schnyder (CEO)
Signature	