sylvac

Experts in connected metrology !



Stay always connected !

Discover the new S_Depth EVO Smart with integrated Bluetooth® technology, large display and bridge of 100mm.

Bluetooth® Technology

Our depth gauge integrates the Bluetooth® technology for wireless connection on softwares.

Functions

Many functions such as zero setting, preset, mm/inch, hold, data, etc.

IP67 protection

Water protected for heavy-duty work with coolants and lubricants, protection rating IP67 according to IEC 60529.

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SYL1906-F-SDE

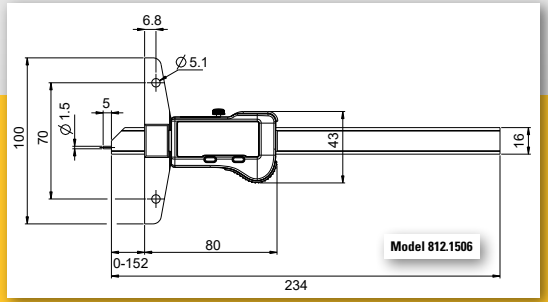
FEATURES

- Integrated Bluetooth® wireless technology
- Depth gauge with bridge 100mm
- Hardened measuring pin Ø1.5x5mm
- 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 its frame. (Absolute System S.I.S)
- Sleeping mode after 10 min. of no use
- Position memorized in sleeping mode, Absolute System S.I.S*
- Mechanical frame in stainless steel, hardened and grinded

DATA

Specifications	812.1506	812.1526	812.1536
Measuring range	150mm	200mm	300mm
Max. Error G.	20µm[1)]	30µm	30µm
Resolution	0.01mm		
Bridge	100mm		
Protection rating (IEC 60529)	IP67		
Frame	16x3.5mm		
Output data	Bluetooth® wireless technology		
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold, Data		
Smart Inductive Sensor	✔		

[1)] >100 mm : 30 µm / DIN 862



Bluetooth®

IOT READY

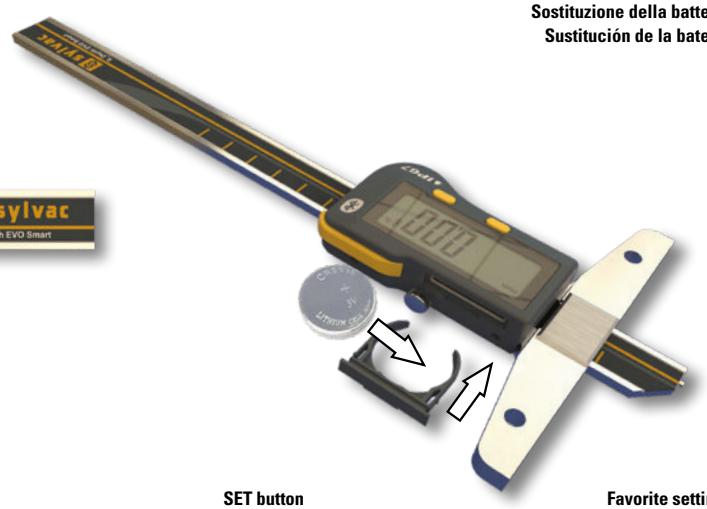
S_Depth EVO Smart *- Stay always connected !*

S_Depth EVO Smart

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

sylvac

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



Pin Ø1.5mm
Tige Ø1.5mm
Messtift Ø1.5mm
Perno Ø1.5mm
Espiga Ø1.5mm

note (1)

DATA
(Data/Favorite) Button
Bouton (Data/Favorite)
(Data/Favoriten) Taste
Pulsante (Data/Preferiti)
Botón (Data/Favoritos)

Bluetooth®

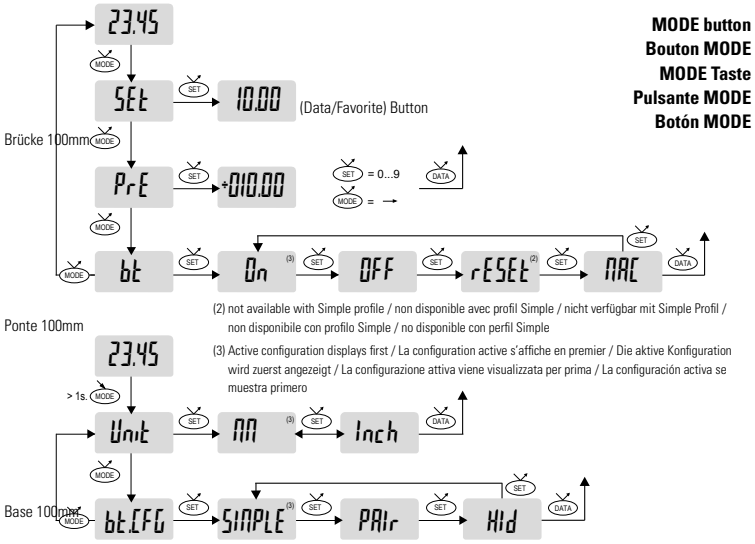
Bridge 100mm

IP67

MODE
(Mode) Button
Bouton (Mode)
(Mode) Taste
Pulsante (Mode)
Botón (Mode)

SET
(Set) Button
Bouton (Set)
(Set) Taste
Pulsante (Set)
Botón (Set)

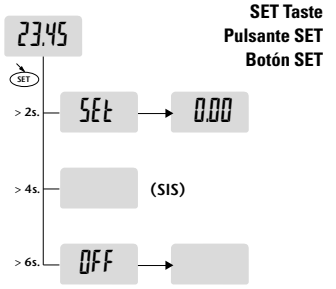
Pont 100mm



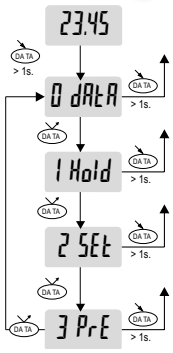
MODE button
Bouton MODE
MODE Taste
Pulsante MODE
Botón MODE

(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

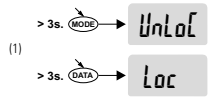


SET button
Bouton SET
SET Taste
Pulsante SET
Botón SET



Favorite settings
Options favorites
Konfiguration Favoriten
Opzioni preferite
Opciones favoritas

→ note (1)



(1)

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

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
AAC	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"
Measuring range / Etendue de mesure / Messbereich / Campo di misura / Campo de medida	150 mm - 6" / 200mm - 8" / 300mm - 12"
Max. error / Erreur max. / Fehlergrenze / Error max / Error màx	100mm: 20µm 100-300mm: 30µm (DIN862)
Repetability / Répétabilité / Wiederholbarkeit / Ripetibilita / Repetibilidad	10µm / .0005"
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)
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)
Frame / Perche / Messschiene / Regola / Regla	16x3.5mm / 0.62x 0.11"
Functions / Fonctions / Funktionen / Funzioni / Funciónes	Zero setting, preset (max 999.99), mm/inch, Hold, Data

Error Messages
Messages d'erreur
Fehlermeldungen
Messaggi di errore
Mensajes de error

https://www.sylvac.ch/errors

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.

Maintenance

Carefully dry all mechanical parts of the instrument after contact with liquids to ensure proper operation and storage. 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 Rostansätze zu vermeiden.
Keine aggressiven Produkte (Alkohol, Trichlorethylen oder andere) für die Reinigung der Kunststoffteile benutzen.
Das Instrument nicht an einem der Sonne, Hitze oder Feuchtigkeit ausgesetzten Ort aufbewahren.
In caso di pulizia con 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 esponete lo strumento alla luce solare, al calore o all'umidità.
No use productos agresivos (alcohol, trichloretileno u otros) para limpiar las partes de plastico.
No exponer el instrumento en el sol, calor o humedad

Maintenance
Unterhalt
Avviso
Mantenimiento

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_Depth 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

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 estações de outros tipos, instaladas nos primeiros. Este equipamento não deve causar interferência prejudicial a sistemas operando em caráter primário.

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.

Class A Equipment (Industrial Use)

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.

SOUTH KOREA CERTIFICATION

NOTICE:
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

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EU DECLARATION OF CONFORMITY (DoC)

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

Name	S_Depth Evo BT
Description	Depth gauge with Bluetooth® wireless technology
Part Numbers	812.1601, 812.1603, 812.1605, 812.1611, 812.1613, 812.1615, 812.1621, 812.1623, 812.1625

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

