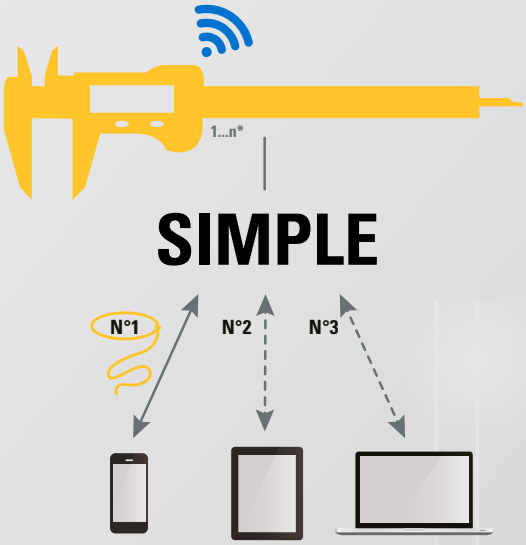
New Bluetooth® connection profiles

Valid for instruments with firmware ≥ r 4.0

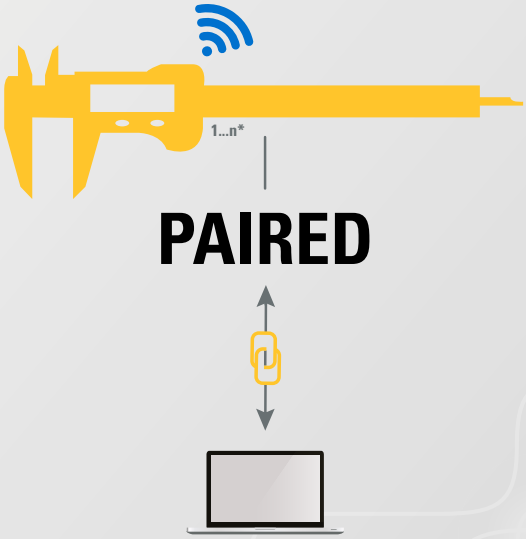
SIMPLE

- Instruments can be connected to several devices, but only one active connection and on a «first come, first served» basis.
- **Best solution if different people share the same instrument which has to be connected to several devices.**
- Avoid pairing manipulations at each device change.



* Possibility to connect several Sylvac instruments (max. 8/dongle)

PAIRED

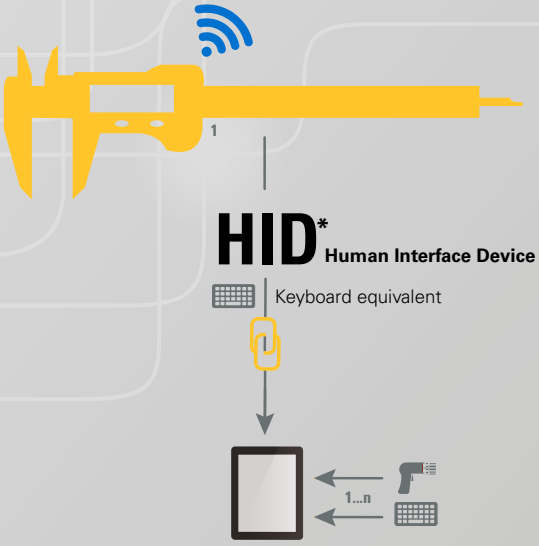


* Possibility to connect several Sylvac instruments (max. 8/dongle)

- Several instruments connected and locked (paired) to a specific device, which allows to have a lot of control stations side by side in a small area.
- **Best secured solution for a permanent control station.**
- Avoid instruments connecting to the wrong device.
- **Device-Instrument link has to be reset in order to connect to another device.**

HID* Human Interface Device

- The instrument can be connected only to one specific device, but device can accept multiple input devices (keyboards, bar code reader, etc.).
- **Emulate a keyboard action.**
- Write and send data to any software/ device without any further settings.
- **Device-Instrument link has to be reset in order to connect to another device.**

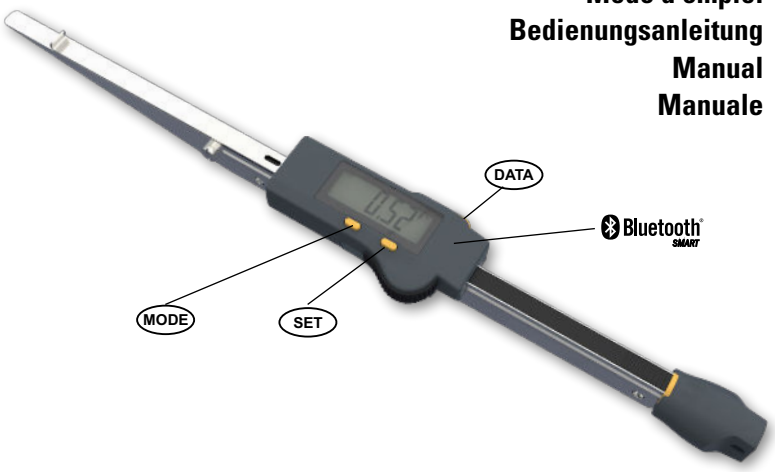


* Can be connected only with the built-in Bluetooth® of the device

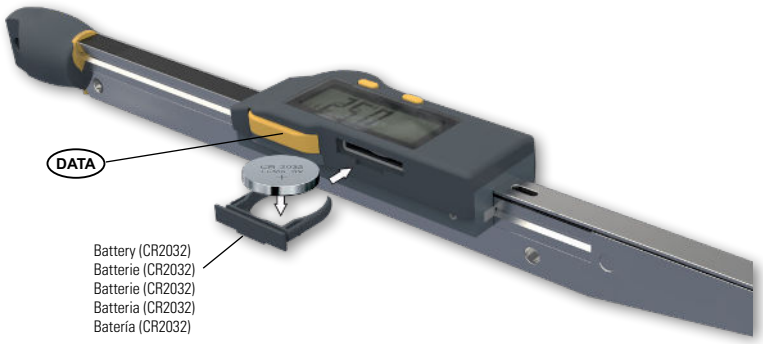
The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Sylvac is under license. Other trademarks and trade names are those of their respective owners.

Taper Gauge Bluetooth®

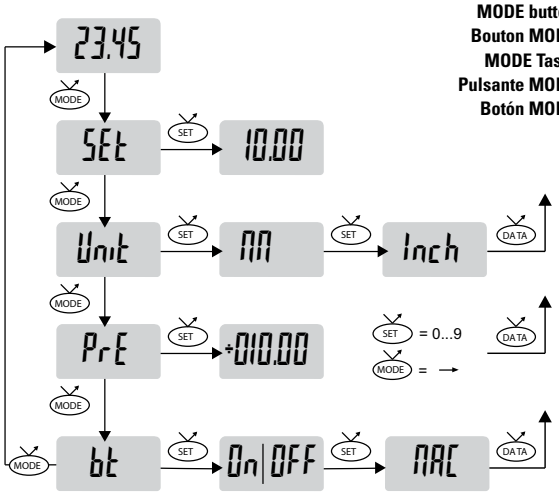
Instructions
Mode d'emploi
Bedienungsanleitung
Manual
Manuale



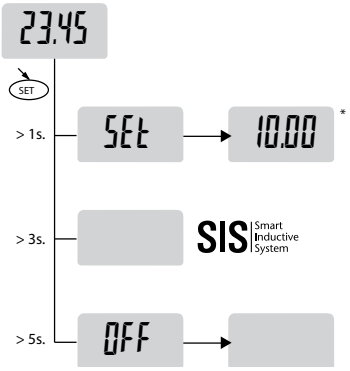
Replacing the battery
Changement de la pile
Auswechseln der Batterie
Sustitución de la batería
Sostituzione della batteria



MODE button
Bouton MODE
MODE Taste
Pulsante MODE
Botón MODE



SET button
Bouton SET
SET Taste
Pulsante SET
Botón SET



* resets to factory setting, which will vary with each Taper Gauge
* réinitialise en réglage d'usine, varie selon le modèle de Taper Gauge
* Resets auf die Werkseinstellung , wird qui mit jeder Taper Gauge Schwanken
* Ripristina impostazioni di fabbrica, qui varieranno con ogni Taper Gauge
* Se restablece en ajuste de fábrica, qui varían con cada Taper Gauge

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Bluetooth® configuration
Bluetooth® configuration
Bluetooth® Konfiguration
Configurazione Bluetooth®
Configuración Bluetooth®

off	disconnected (bt OFF)
blinking	advertising (max 120s.)
on	connected (bt On)
MAC	display the MAC address

spento	scollegata (bt OFF)
lampeggiante	scoperta (max 120s.)
acceso	collegata (bt On)
MAC	visualizza l'indirizzo MAC

aus	keine Verbindung (bt OFF)
blinkend	bereit zur Verbindung (max 120s.)
stehend	Verbindung hergestellt (bt On)
MAC	zeigt die MAC Adresse

éteint	déconnecté (bt OFF)
clignote	découverte (max 120s.)
allumé	connecté (bt On)
MAC	affiche l'adresse MAC

apagado	desconectado (bt OFF)
parpadeante	detección (max 120s.)
encendido	conectado (bt On)
MAC	muestra la dirección MAC

Technical data
Données techniques
Technische Daten
Specifiche
Especificación

Bluetooth SMART

Radio frequency / Fréquence radio / Funkfrequenz / Radiofrequenza / Radiofrecuencia	2,4 Ghz
Robustness / Robustesse / Robustheit /	
Resistenza / Robuste	FHSS
Latency / Latence / Latenz / **Latenza / Latencia**	<6ms
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 /	

Specifications
Spécifications
Spezifikationen
Specificazioni
Especificaciones

Measuring range / Etendue de mesure / Messbereich / Campo di misura / Campo de medida	Short execution : 0.51mm - 5.08mm (0.02'' - 0.2'') Standard execution : 0.13mm - 12.7mm (0.005'' - 0.5'') / 12.7mm - 25.4mm (0.5'' - 1'') / 25.4mm - 38.1mm (1'' - 1.5'') / 38.1mm - 50.8mm (1.5'' - 2'')
Resolution / Résolution / Auflösung / Risoluzione / Resolucón	0.01 (0005'')
Max. error / Erreur max. / Fehlergrenze / Error max / Error màx	To be defined
Repetability / Répétabilité / Wiederholbarkeit / Ripetibilita / Repetibilidad	10µm (.0005'')
Max slider speed / Vitesse max / Max Verteilgeschwindigkeit / Velocity max / Velicidad màx	Max 2.5m/s. (1.00''/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	Short execution : 275g (9.7oz) Standard execution : 445g (15.7oz) / 680g (24oz) / 580g (20.5oz) / 600g (21.2oz)
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
Fonctions avancées
Erweiterte Funktionen
Funzioni avanzarte
Funciones avanzadas

Advanced functions and additional information: refer to the manufacturer's website

Fonctions avancées et informations complémentaires : se référer au site du fabriquant

Erweiterte Funktionen und weitere Informationen: siehe die Website des Herstellers

Le funzioni avanzate e ulteriori informazioni: consultare il sito del produttore

Las características avanzadas e información adicional: se refieren a la página web del fabricante

Maintenance

Dry carefully all metallic parts of the instrument after water jets or moisture effects to guaranty a good mechanical working and to avoid rost.
Don't use agressive products (alcohol, trichlorethyl or others) to clean plastic parts.
Don't keep the instrument in the sun, heat or humidity.

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.

En cas de projections de liquides, essuyer les parties métalliques de l'instrument afin de garantir un bon fonctionnement mécanique, et eviter les problèmes de corrosion.
Ne pas utiliser de produits agressifs (alcool, trichlorethylène, 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

In caso di proiezioni di liquidi, asciugare accuratamente 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 esporrere lo strumento al sole, vicino a findi di calore o all' unidità.

Secar 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

Certifications
Certifications
Zertifikat
Certificado
Certificato

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 National Office 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'office national de métrologie.

QUALITÄTSZEUGNIS
Wir bestätigen, dass dieses Gerät gemäss unseren internen Qualitätsnormen hergestellt wurde und mittels Normalen mit anerkannter Rückverfolgbarkeit, kalibriert durch das Nationalamt 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'ufficio nazionale 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.

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 SP091201, is a production product using a ROM for the baseband protocol engine.

US/CANADA CERTIFICATION

Sylvac
m.n Taper Gauge Bluetooth®

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

NOTICE:
Changes or modifications made to this equipment not expressly approved by the manufacturer 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.

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.



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

Other Certifications :

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 : 2016.09 / 681.298.01

Sylvac recommends recalibration once a year, which can be done through the Sylvac Metrology Service :

http://www.sylvac.ch/download-en/calibration-instructions
http://www.sylvac.ch/download-en/manuals

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CH-1400 Yverdon

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	Taper Gauge
Description	Taper Gauge with Bluetooth® wireless technology
Part Numbers	918-0005, 918-0012, 918-0025, 918-0038, 918-0050, 918-0075, 918-0100, 918-1005, 918-1012, 918-1025, 918-2075

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

2023/988 (EU)	General product safety Regulation
2014/30/EU	EMC
2011/65/EU & 2015/863/EU	RoHS
2014/53/EU	RED

and complies with the following harmonized standards or other normative documents

EN 61326-1:2021	Electrical equipment for measurement, control and laboratory use – EMC requirements
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic, products with respect to the restriction of hazardous substances
EN 300 328 V2.2.2	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, August 12, 2024
Name (position)	Eric Schnyder (CEO)
Signature	