sylvac

WORLD PREMIERE : FIRST EVER DIGITAL FEELER GAGE WITH BLUETOOTH® TECHNOLOGY!

Audacity, technology, innovation : discover the new digital **Feeler Gage** SMART: first feeler gage with built-in Bluetooth® transmitter (via HID profile), extra large and bright display, ergonomic data and configuration button.

First Sylvac instrument with direct input (HID) !

No dongle required !



mm version

Feeler Gage SMART

- **Large digital display**
  - mm or inch version available
- **Built-in Bluetooth® 4.0 transmitter (HID)**
  - Transmission distance up to 15m
- **Powered by standard CR2032 battery**
  - Battery life up to 1 year
- **No software, driver or dongle needed with HID**

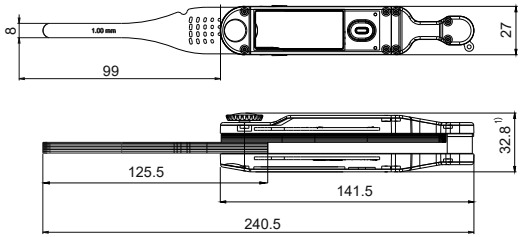
Bluetooth®



inch version

sylvac

Feeler Gage SMART





Bluetooth®

TECHNICAL SPECIFICATIONS

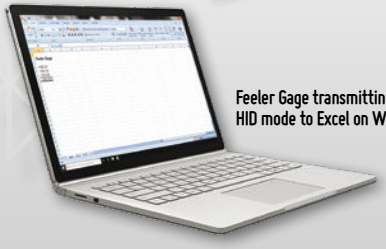
Specifications	921.0100	921.0110	921.0114
Type of version	mm	mm	inch
Measurement capacity	0.05...1.00mm	0.04...1.00mm	0.0015...0.0300in
Thickess tolerance class	TC1 according to DIN2275		
Number of feelers	20	19	19
Usable length	99		
Protection rating	IP65		
Connection	Bluetooth® 4.0 Low energy		
Functions	Measuring units : mm/inch & Bluetooth® HID		

1) For 921.0100, can differ for the other models because of the feelers.

No dongle required !

Transmit data to any software or application

Can be used with Microsoft (W7,8,10), Android or Apple.



Feeler Gage transmitting data via HID mode to Excel on Windows 10

Feeler Gage transmitting data via HID mode to Excel for iOS

SYLVAC SA Ch. du Closalet 16 / CH-1023-Crissier Tél: +41 (0) 21 637 67 57 Web: www.sylvac.ch

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.

Feeler Gage SMART
with Bluetooth® technology

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

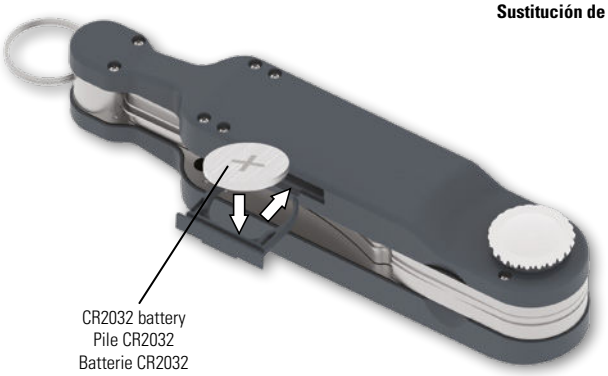
sylvac

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

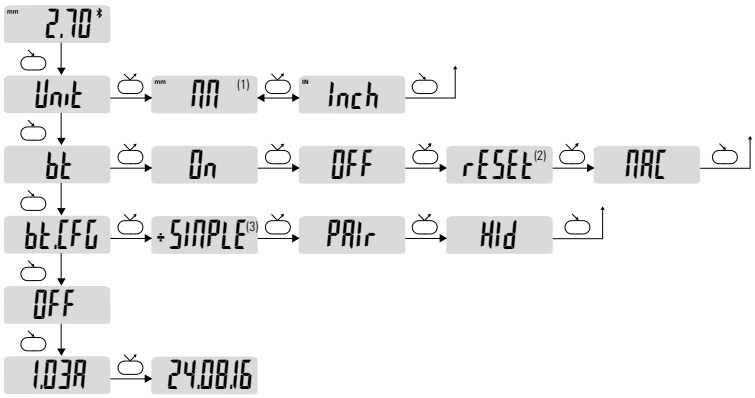




Data/configuration button
Bouton de configuration/envoi de donnée
Daten/Konfiguration Taste
Pulsante data/configurazione
Botón data/configuración



CR2032 battery
Pile CR2032
Batterie CR2032
Batteria CR2032
Batería CR2032



(1) 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.

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

(3) The + sign indicates the currently active profile. / Le symbole + indique le profil actif. / Das + Symbol markiert die aktuelle Auswahl. / Il simbolo + indica il profilo attivo. / El símbolo + indica el perfil activo.

Functions
Fonctions
Funktionen
Funzioni
Funciones

Auto-off after 10min of inactivity - press button to switch on
Extinction automatique après 10min d'inactivité - réactivation par bouton
Automatische Ausschaltung nach 10min Inaktivität - Taste drücken zum Einschalten
Auto-off dopo 10 minuti di inattività - premete un pulsante per accendere
Apagado automático despúes de 10 minutos de inactividad - pulsar el botón para encender

Measurement impossible - feelers are not aligned
Mesure impossible - jauges pas alignées
Messung unmöglich - Blätter nicht ausgerichtet
Misura impossibile - becchi non allineati
Medición imposible – varillas no alineadas



Measurement impossible, too much light - cover the electronic module
Mesure impossible, trop de lumière – couvrir le module électronique
Messung unmöglich, zu viel Licht - decken Sie das Elektronikmodul ab
Misura impossibile, troppa luce - coprire il modulo elettronico
Medición imposible, demasiada luz - cubra el módulo electrónico

press and hold button / bouton appuyé / Taste gedrückt halten / premete e tenete premuto il pulsante / Pulsar y retengar el botón

press and release button / bouton appuyé et relâché / Drücken und loslassen / premere e rilasciare il pulsante / Pulsar y soltar el botón

Bluetooth® configuration
Bluetooth® configuration
Bluetooth® Konfiguration
Configurazione Bluetooth®
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 / verbunden / collegata / conectado
rESEt	clear pairing information / efface les informations d'appairage / Kopplung aufheben / cancellare le informazioni di accoppiamento / eliminar su información de emparejamiento
nAC	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
Kid	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 de sortie max. / Max. Ausgangsleistung / Potenza massima in uscita / Potencia máxima de salida	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
Battery life / Autonomie / Autonomie / Autonomia /	

Resolution / Résolution / Auflösung / Risoluzione / Resolución	0.05mm	0.01mm	0.01in
Measuring range / Etendue de mesure / Messbereich / Campo di misura / Campo de medida	0.05 - 10.5mm	0.04 - 6.64mm	.0020 - 0.157in
Measurement capacity / Capacité de mesure / Messfähigkeit / Grado di misurare / Capacidad de medición	0.05...1.00mm	0.04...1.00mm	0.0020...0.0310in
Thickness Tolerance Class according to DIN 2275 / Classe de tolérances d'épaisseurs selon DIN2275 / Blätter Toleranzklasse gemäss DIN 2275 / Classe di tolleranza allo spessore secondo DIN 2275 / Clase de tolerancia de espesor según DIN 2275	TC1		
Number of feelers / Nombre de jauges / Anzahl der Blätter / Numero di sonde / Numero de galgas	20	19	14
Usable length / Longueur utilisable / Nutzbare Länge / Lunghezza utile / Longitud útil	99mm		
Data output / Sortie de données / Datenausgang / Uscita dati / Salida de datos	Bluetooth® 5.0 2.4GHz		
Mean power consumpt. / Consommation moyenne / Verbrauch / Consumo / Consumo	60 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	280g	224g	212g
IP specification / Spécification IP / IP spezifikation / Specifica IP / Especificatión IP	IP 65 (IEC60529)		

Specifications
Spécifications
Spezifikationen
Specificazioni
Especificaciones

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'istituto 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 Instituto Federal de metrología.

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.
The feelers can be removed for cleaning or replacement. Verify orientation after assembly (notch on top if feelers are out, see picture at page 1). The device must show 0.00mm when all feelers are in.

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 : Feeler Gage SMART

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

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.

ANATEL
MODELO: ISP091201D
00516-14-04534

SOUTH KOREA CERTIFICATION
MSIP-CRM-iNs-ISP091201 Class A Equipment (Industrial Use)

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정 외의 지역에서 사용하는 것을 목적으로 합니다.

JAPAN CERTIFICATION
R 001-A06167

TAIWAN CERTIFICATION
CCAH18LP2040T6

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

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.

Video help
Aide vidéo
Videoanleitung
Aiuto video
Ayuda de video

Change of the stop
Changement de la butée
Wechsel des Anschlages
Cambio della fermata
Cambio de la parada

Fix the Error Sun
Corriger l'Error Sun
Vermeiden von Error Sun
Correggi l'Error Sun
Arreglar el Error Sun

Right alignment of the feelers
Alignement correct des jauges
Korrekte Ausrichtung der Blätter
Corretto allineamento dei sonde
Alineación correcta de los galgas

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

IP65
Edition : 2022.11 / 681-304-01
www.sylvac.ch

SYLVAC SA
Avenue des Sciences 19
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	Feeler Gage Smart
Description	Feeler Gage with Bluetooth® wireless technology
Part Numbers	921-0100, 921-0110, 921-0114

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

2001/95/EU	General product safety
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, September 28, 2023
Name (position)	Eric Schnyder (CEO)
Signature	