



sylvac

Swiss manufacturer of precision measuring instruments since 1969

Catalogue Edition 9.1

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Presentation

SYLVAC CATALOGUE

Dear Customer, Dear Reader,

Welcome to edition 9 of our Sylvac general catalogue. This new edition is considered necessary because of the many new items that have recently been added to our product range.

The major new feature is undoubtedly the optical measurement section, which brings together our Sylvac SCAN contactless inspection instruments and our Sylvac VISIO video measurement systems. These devices have diversified and strengthened our product range in response to the growing needs of the manufacturing industries.

The new catalogue also features other more conventional but no less important instruments, such as:

- A new range of calipers and depth gauges, including some special models
- A family of products based on our large-caliper UL4 instruments, comprising our ULH universal instruments, our ULV depth gauges and our ULD rules, all for measuring larger dimensions
- Our S_Dial WORK PLC digital test indicators can be connected directly to programmable logic controllers
- Two important accessories (a battery pack and a pedal) to support our Bluetooth® range
- A series of updated PS measuring benches, redesigned to meet more and more exacting requirements for measuring small components
- Our new Probes P12D of 12mm measuring range and our display unit D62S
- Plus many other surprises...

This catalogue showcases all of Sylvac's dynamism, as illustrated by the incredible number of new, innovative products added to our manufacturing program in recent months. Other exciting projects are in the pipeline and will be presented to you in a future edition, highlighting our passion for innovation and our boundless imagination!

Discover other surprises that await you in our new catalogue now!

Why should you choose our products?

There are many sound arguments in our favour, particularly:

- More than 40 years' expertise and experience in the area of dimensional measurement.
- Products developed and made in Switzerland with the «Swiss Made» label, representing acknowledged proof of quality throughout the world.
- Innovative, ergonomic, durable instruments designed by professional designers.
- A global presence based on a network of efficient agents who are able to provide you with local support in more than 40 countries.
- Products that meet international standards (a number of them are instruments protected in accordance with IP67).

In order to meet an increasing demand for traceability of controls, our instruments are fitted with a data output for wired or wireless connection. dial gauges with data transmission by Bluetooth® signal, developed by Sylvac mark the start of a new era in the area of quality control and confirm our position as leaders in this market.

We hope that you will enjoy looking through our catalogue and using our Sylvac instruments. Thank you for your confidence in us. We remain faithfully at your service



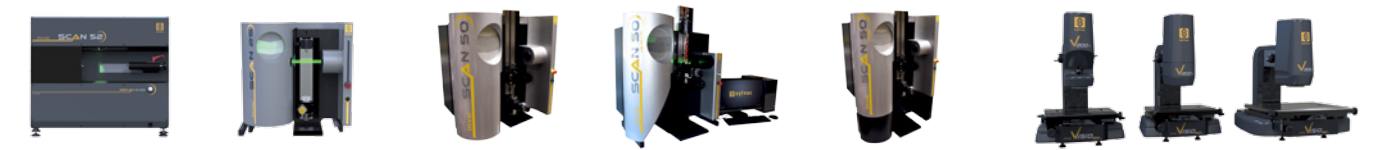
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Content

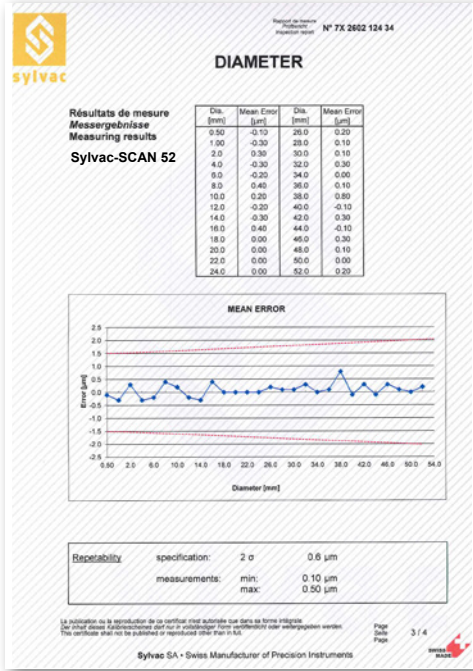


| | | |
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| A) Hand tools | 7 - 76 | Calipers, micron caliper, Ultra light calipers, digital scales, micrometers, micrometer screws, depth gauges, protractor |
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Certificates

SYLVAC PRODUCTS



SYLVAC named best SMEs in western Switzerland in 2016 !



3-year guarantee :

The Sylvac brand is built on leading edge know-how in electronics, micro-electronics and micro-mechanics. Confident in the quality of its products, Sylvac offers a 3-year guarantee on its product range.

Error max :

The total error mentioned in our technical specifications corresponds to the maximum difference between the highest and lowest deviation from the true position within the instrument's measuring range.

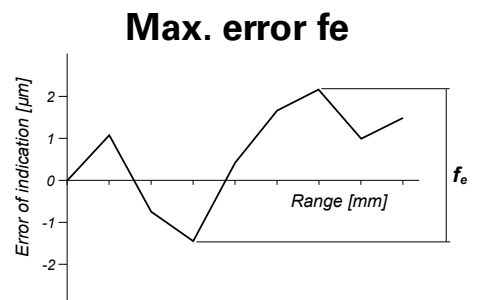
A certificate of calibration is delivered for all our instruments with a resolution of 1µm and indicates the effective maximum error of the instrument, controlled in our laboratory.

The repeatability is defined as the maximum spread of series of measurements taken at the same position by the same operator and under the same conditions.

As for now, there is no standard for digital dial indicators. The Sylvac internal standard is derived from existing standards for mechanical dial indicators.

Web site :

Up to date information as well as updated files and software can be downloaded on www.sylvac.ch



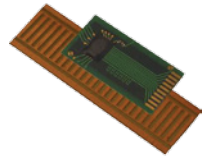
General information

SYLVAC PRODUCTS

SYLVAC PRODUCTS :

The Sylvac patented inductive measuring system is insensitive to magnetic fields and liquids on the sensor or on the measuring scale. A very low consumption system keeps the zero setting even when switched "off". This system is particularly well adapted for measuring instruments such as calipers, indicators etc...

The Sylvac patented capacitive measuring system is used for the linear probe type of instruments where the sensor is integrated in the probe. As opposed to inductive half bridge and LVDT probes, the capacitive Sylvac system can be used over a large measuring range (up to 50mm) while preserving an excellent linearity (1µm/25mm) and repeatability (0.2µm).



Characterizes the instruments whose the electronic module and the measuring system are protected against liquids. The IPXX degree defines the protection rating of the instruments.



Characterizes instruments equipped with a Smart Inductive Sensor with an extremely low power sleeping mode, which keeps its origin (last zero setting) and automatically wakes up when a movement is detected.

IP54 / IP65 / IP67

Characterizes instruments whose electronic module and measuring system are protected against liquids. The IPXX degree defines the protection rating according to IEC 60529.

IP54 : protected against dust. Protected against water spray from all directions

IP65 : completely sealed against dust, protected against water jets from all directions

IP67 : completely sealed against dust, protected against temporary total immersion

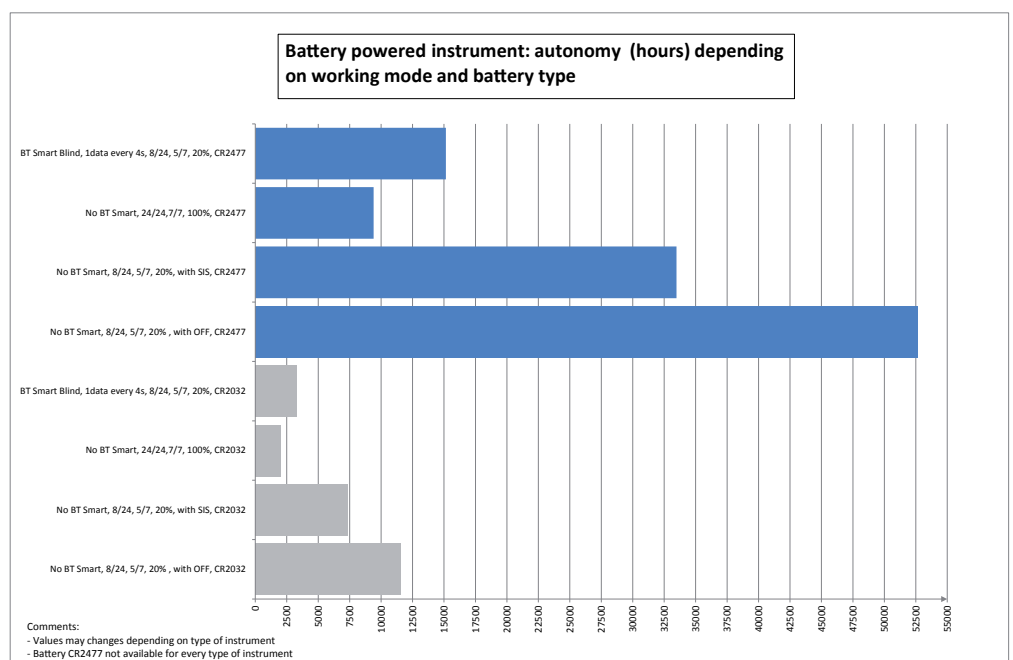
Power and battery life

All the handtools, indicators, scales and micrometer heads are powered with a Lithium battery CR2032. If equipped with a «Power» output, the connector replaces the battery and the power is given by the PC or the display unit.

Bluetooth® Technology

Our Bluetooth® Smart instruments are equipped with the Low Energy technology and have a 15m scope. In terms of wave emissions, the Bluetooth® technology have a transmission about 1mW, which corresponds of 1/100 of the Wifi and 1/40 of the GSM/3G transmission from the smartphones.

With a working distance of at least 20cm, the effect on the human body is a million times smaller than a mobile phone worn on the ear.



General information

SYLVAC PRODUCTS

Data output types

Instruments equipped with a Proximity data output. Contactless data transfer by inductive coupling through the plastic casing

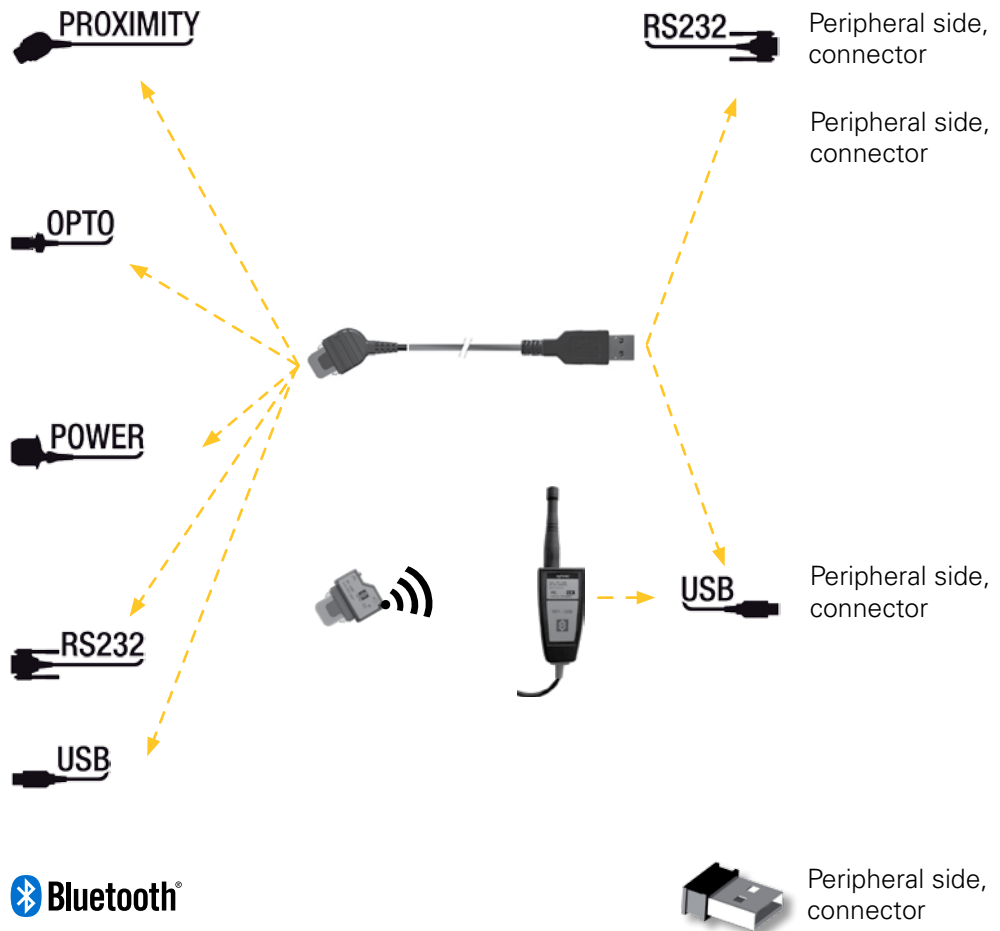
Instruments equipped with an Opto type data output. Contactless optical data transfer through a recessed window in the casing

Instruments equipped with a Power and Data connector. Data transfer is done by galvanic coupling, with power supplied to the instrument.

Instruments equipped with an RS232 data output (Sub-D9 pole connector)

Instruments equipped with an USB data output

Instruments with BLUETOOTH® technology output ¹⁾



¹⁾ Note: BLUETOOTH® instruments and accessories are only available in countries for which certification has been obtained (UE, USA, JP, CN, TW etc.). Look at our website, www.sylvac.ch, for the list of countries that have obtained certification. If your country is not on the list, please contact your local Sylvac reseller.

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