

**+ SWISS
MADE**



sylvac

PROGRAM SUMMARY **V5**





SYLCOM SOFTWARE



Sylcom



Sylcom Software

Designed to process information from instruments connected via Bluetooth® wireless technology or via a USB cable. Many functions are available like recording and exporting data to Excel.



Versions	Instruments / features
Lite	1 instrument / free version
Standard	16 (Bluetooth® & USB) / M-Bus
Pro	128 (max. 40 Bluetooth® devices) via M-Bus
Expert	500 instruments / OPC-UA / Tool corrector



SYLVAC ANYWHERE

Sylvac Anywhere



NO DONGLE REQUIRED !

Sylvac Anywhere

Display, record and export your data to
Excel, Google Drive or the Cloud.



Android



Apple



DIGITAL INDICATORS



S_Dial WORK Basic



Range	Resolution	Accuracy
12.5 to 50mm	0.01mm/0.001mm	4...20µm

S_Dial WORK Advanced & Smart

Range	Resolution	Accuracy
12.5 to 150mm	0.01mm/0.001mm	3...20µm

IP67 & Bluetooth® up to 100mm



S_Dial WORK Analog Nano Smart



Range	Resolution	Accuracy
12.5 to 25mm	0.1µm	1.2...1.6µm

IP54



DIGITAL INDICATORS



S_Dial WORK CBG

SPECIAL CYLINDRICAL BORE
GAUGES MEASUREMENT !

Range	Resolution	Accuracy
12.5mm	0.001mm	3µm

Bluetooth



S_Dial WORK Nano & Nano Smart



Range	Resolution	Accuracy
12.5 to 25mm	0.1µm	1.2...1.6µm

Bluetooth

S_Dial WORK PLC

FOR PLC - I/O

Range	Resolution	Accuracy
12.5 to 25mm	0.01mm/0.001mm	4...10µm



IP54



DIGITAL INDICATORS

S_Dial WORK Analog & Analog Smart



Range	Resolution	Accuracy
12.5 to 25mm	0.001mm	3...4μm

 Bluetooth®

IP54

S_Dial PRO Smart

Range	Resolution	Accuracy
25 to 100mm	0.1μm	1.0...1.8μm

IP51



S_Dial Mini Basic & Smart



Range	Resolution	Accuracy
12.5mm	0.01mm/0.001mm	4...10μm

 Bluetooth®

IP67 IP54



INTERNAL MEASUREMENTS



XT3D



IP67

Range	Accuracy
2 to 300mm	4 to 9µm

Bluetooth®

XT3H



IP67

Range	Accuracy
2 to 300mm	4 to 9µm



SMART CALIPERS

S_Cal EVO Smart



 **Bluetooth®**

Range	Resolution	Depth rod
150mm	0.01mm	4x1.4 or Ø1.5mm
200mm	0.01mm	4x1.4 or Ø1.5mm
300mm	0.01mm	-

 **IP67**

S_Cal EVO Smart Micron



 **Bluetooth®**

Range	Resolution	Depth rod
150mm	0.001mm	4x1.4 or Ø1.5mm

 **IP67**



WIRED CALIPERS



S_Cal EVO Proximity

Range	Resolution	Depth rod
150mm	0.01mm	4x1.4 or Ø1.5mm
200mm	0.01mm	4x1.4 or Ø1.5mm
300mm	0.01mm	-

IP67

S_Cal EVO Proximity Micron



Range	Resolution	Depth rod
150mm	0.001mm	4x1.4 or Ø1.5mm

IP67



NO OUTPUT CALIPERS

S_Cal EVO Basic



Range	Resolution	Depth rod
150mm	0.01mm	4x1.4 or Ø1.5mm
200mm	0.01mm	4x1.4 or Ø1.5mm
300mm	0.01mm	-

IP67

S_Cal EVO Carbide



also with depth rod 4x1.4mm and  Bluetooth

Range	Resolution	Depth rod
150mm	0.01mm	Ø1.5mm

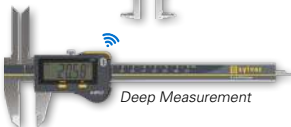
IP67



SPECIAL CALIPERS



S_Cal EVO Smart



Range	Resolution	Depth rod
150mm	0.01mm	4x1.4mm

IP67



ULTRA-LIGHT CALIPERS

UL4 Standard Smart



Range	Resolution	Error max.	Repeatability
400mm	0.01mm	30	20
600mm	0.01mm	40	20
1000mm	0.01mm	50	20
1500mm	0.01mm	90	20
2000mm	0.01mm	120	30
2500mm	0.01mm	150	30
3000mm	0.01mm	200	30

Specifications for UL4 Standard Smart

IP67



SMART MICROMETERS



S_Mike PRO Smart



NON-ROTATING SPINDLE

also available with Proximity output



Anvils	Range
Cylindrical Ø6.5mm	up to 161mm
Cylindrical Ø2mm	up to 95mm
Disc Ø25mm	30mm
Ball Ø7mm	25mm
Knife 0.5mm - cone 60°/Ø 0.5mm	25mm
Point 30°- spherical rad. 0.3mm	25mm
Flat Ball Ø 7mm	25mm
Knife 0.75x6.5mm	up to 155mm



SMART MICROMETERS

ROTATING SPINDLE



 **Bluetooth®**

Anvils	Range
Cylindrical Ø6.5mm	0-25mm
Cylindrical Ø6.5mm	25-50mm
Cylindrical Ø6.5mm	50-75mm
Cylindrical Ø6.5mm	76-100mm

 **IP67**





PRECISION 3D REPLICAS



Plastiform®



PRECISION 1µm





THICKNESS GAUGES

Feeler Gage Smart Gap measurement & setting



HID TECHNOLOGY :
TRANSIT DATA TO ANY
SOFTWARE OF APPLICATION



 **Bluetooth®**

Version	Capacity	Weight
mm	0.05 to 1.00mm	280g
mm	0.04 to 1.00mm	224g
inch	0.0020 to 0.0310in	212g

 **IP65**



SMART PROTRACTOR



Protractor Smart

Bluetooth®

Range	Resolution
1x360°	0.01° / 1 minute of arc (0°01') / 0.0001 rad
2x180°	
4x90°	

IP54

MICROMETER SCREWS



Bluetooth®

Range	Error max.	Repeatability
0-25mm	5 µm	2 µm
0-50mm	8 µm	2 µm

IP54



HEIGHT GAUGES

Hi_Cal Smart



Basic accessory



Complete accessory



Range	Resolution	Accuracy
150mm	0.01/0.001mm	2.5 μ m + L/175
300mm	0.01/0.001mm	2.5 μ m + L/175
450mm	0.01/0.001mm	2.5 μ m + L/175



HEIGHT GAUGES



Hi_Gage Smart

 Ball probe Ø8mm

 Tracing probe



 **Bluetooth®**

Range	Resolution	Accuracy
400mm	0.01mm	40 µm
600mm	0.01mm	50 µm



DISPLAY UNITS

PRECISION MEASUREMENT

D62S
Absolute
digital probes



 **Bluetooth®**

also available without Bluetooth®

Resolution	Weight	Repeatability
0.01 μm	0.75 kg	P12 HR : 0.08 μm

D300S
Capacitive probes,
USB & M-Bus



 **Bluetooth®**

Inputs for instruments
2 Sylvac capacitive probes / 6 USB
4 Sylvac capacitive probes / 6 USB
M-Bus / 6 USB
2 Sylvac capacitive probes / M-Bus
4 Sylvac capacitive probes / M-Bus



DISPLAY UNITS

UNIVERSAL

D70



Inputs for instruments

D70S : 2 Sylvac capacitive probes

D70H : 2 1VPP probes (Heidenhain, etc.)

D70I : 2 inductive probes (Sylvac, Tesa, Mahr, Solatron, LVDT, etc.)

D70A : 1 or 2 inputs for air gages

AIR MEASUREMENT





DISPLAY UNITS

MULTIGAGING

D400S



Inputs for instruments

All kind of probes, through M-Bus (not included)
(Sylvac, Tesa, Mahr, Solartron, etc.)

M-Bus



Inputs for instruments/devices

MB-4C : 4x capacitive probes

MB-8i : 8x inductive probes

MB-2S : 2x Heidenhain probes (11 μ mA/1VPP)

MB-4D/8D : 4x or 8x digimatic probes

MB-4P : 4x absolute digital probes (P12D)

MB-IO/PS/RS/TP/BT/AG : PLC, power-supply, computer, temperature sensors, Bluetooth® instruments and air gauges



PROBES P

HIGH RESOLUTION

Absolute digital probes



P12D M8 & USB

Range	Max. error	Repeatability
12.7 mm	0.6 up to 1 μm	0.08 up to 0.2 μm

Capacitive probes



P10

P5

CLASSIC

Range	Max. error	Repeatability
0 - 25 mm	1 to 1.2 μm	0.2 μm

Inductive probes



P2i

P2iP

Range	Max. error	Repeatability
+2 / +5 mm	0.5% of displacement	0.15 μm



BENCH TABLE

PS15



Type	Capacity	Anvils	Measuring system
BH	20mm	Ø1.5mm	Probe or digital indicator
BV	20mm	M2.5	Probe or digital indicator
BV+	20mm	Ø1.5mm	Probe or digital indicator

PS17



Type	Capacity	Anvils	Measuring system
VS	37mm	Ø1.5mm	Probe or digital indicator
Entre-p.	37mm	Cary0.7mm	Probe or digital indicator



BENCH TABLE SMART



PS16 Smart



Standard



LV



3-Points



Goutte

Bluetooth® INTEGRATED MEASURING SYSTEM

Type	Capacity	Anvils	Measurements
Standard	25 / 50mm	Ø1.5mm	External
LV	Ø12...Ø50mm	0.4mm	External or internal
3 Points	Ø0.8...Ø12.5mm	Ø1.5mm	Internal
Goutte	25 / 50mm	Goutte	External



OPTICAL MEASUREMENT



SCAN F60/F60T



SCAN F60L/F60LT

Sylvac SCAN F60 / F60T

	Ø	L
Range	64mm	300mm
Accuracy	$1 + (D[\text{mm}]/100)\mu\text{m}$	$3 + (L[\text{mm}]/200)\mu\text{m}$
Repeatability 2σ	0.5μm	1.8μm

Sylvac SCAN F60L / F60LT

	Ø	L
Range	64mm	500mm
Accuracy	$1 + (D[\text{mm}]/100)\mu\text{m}$	$3 + (L[\text{mm}]/200)\mu\text{m}$
Repeatability 2σ	0.5μm	1.8μm



OPTICAL MEASUREMENT



Sylvac SCAN 25



	Ø	L
Range	26mm	200mm
Accuracy	$0.9 + (D[\text{mm}]/100)\mu\text{m}$	$2.5 + (L[\text{mm}]/200)\mu\text{m}$
Repeatability 2σ	0.5μm	0.8μm

Sylvac VISIO 200/300



Visio 200



Visio 300

	V200 V3	V300 V3
Volume	200x100x150mm	300x200x150mm
Zoom	Manual or motorised	Motorised
Resolution	0.001mm	0.001mm



sylvac

Experts in connected metrology !



CHECK OUT
OUR SOFTWARES



SYLVAC SA - Yverdon

Avenue des Sciences 19
1400 Yverdon-les-Bains
Switzerland (CH)



SYLVAC SA - Malleray

Rue du Lion d'Or 28
2735 Malleray
Switzerland (CH)

Tel: +21 637 67 57

E-mail: admin@sylvac.ch

Web: www.sylvac.ch