



BESTSELLERS

EDITION 5

CHASSERAL, SWITZERLAND



CALIPERS



S_Cal EVO Proximity

- High-quality, ergonomic caliper with Proximity data output
- Hardened stainless frame, thickness of 3.5 mm
- Optional thumb wheel available



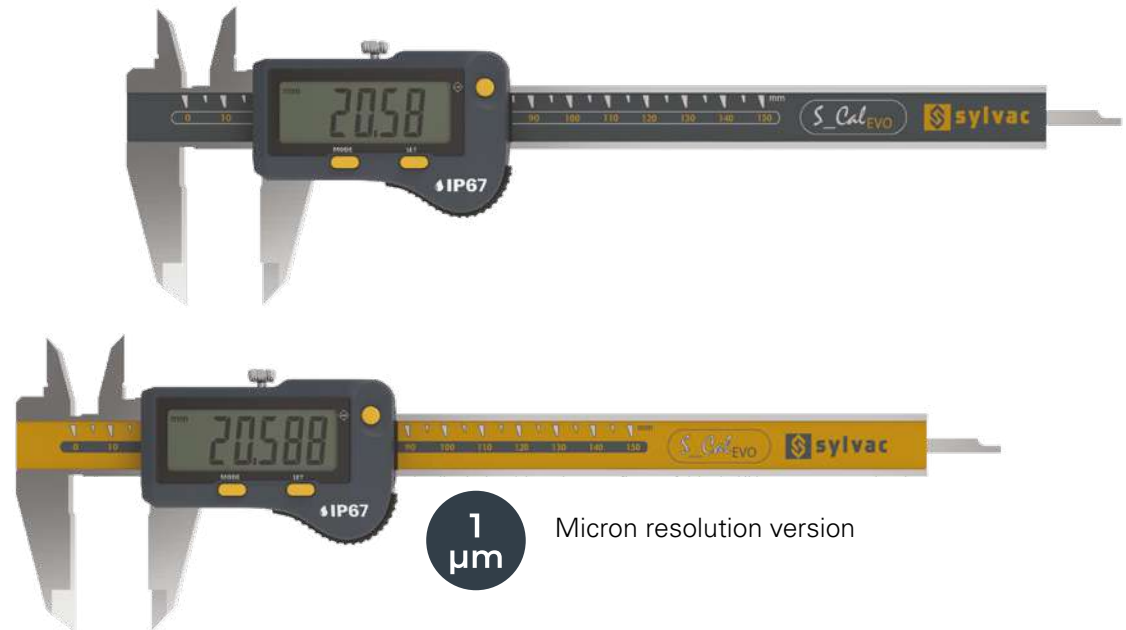
Proximity cable to USB or to RS232
(USB : 926-6721 / RS232 : 926-6723)



Thumb wheel for S_Cal EVO
(Proximity : 810-2205)



Anvils set for caliper
(910-2207)



Technical specifications	810-1702	810-1707	810-1722	810-1732	810-9702	810-9707
Measuring range (mm)	150	150	200	300	150	150
Max. Error G – external measurements (μm)	20 ¹⁾	20 ¹⁾	30 ¹⁾	30 ¹⁾	20 ¹⁾	20 ¹⁾
Max. Error – internal measurements (μm)	20-30 ²⁾	20-30 ²⁾	30 ²⁾	40 ²⁾	20-30 ²⁾	20-30 ²⁾
Resolution (mm)	0.01	0.01	0.01	0.01	0.001	0.001
Output data	Proximity					
Depth rod (mm)	4x1.4	Ø 1.5	4x1.4	-	4x1.4	Ø 1.5
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold					

¹⁾ 0-150 mm : 20 μm / ISO13385-1 / >150 mm : 30 μm / ISO13385-1

²⁾ Ø4-25 : 20 μm / ISO13385-1 / Ø26-150 : 30 μm / ISO13385-1 / >Ø150 : 40 μm / ISO13385-1



More information
about the product

CALIPERS

S_Cal EVO Smart

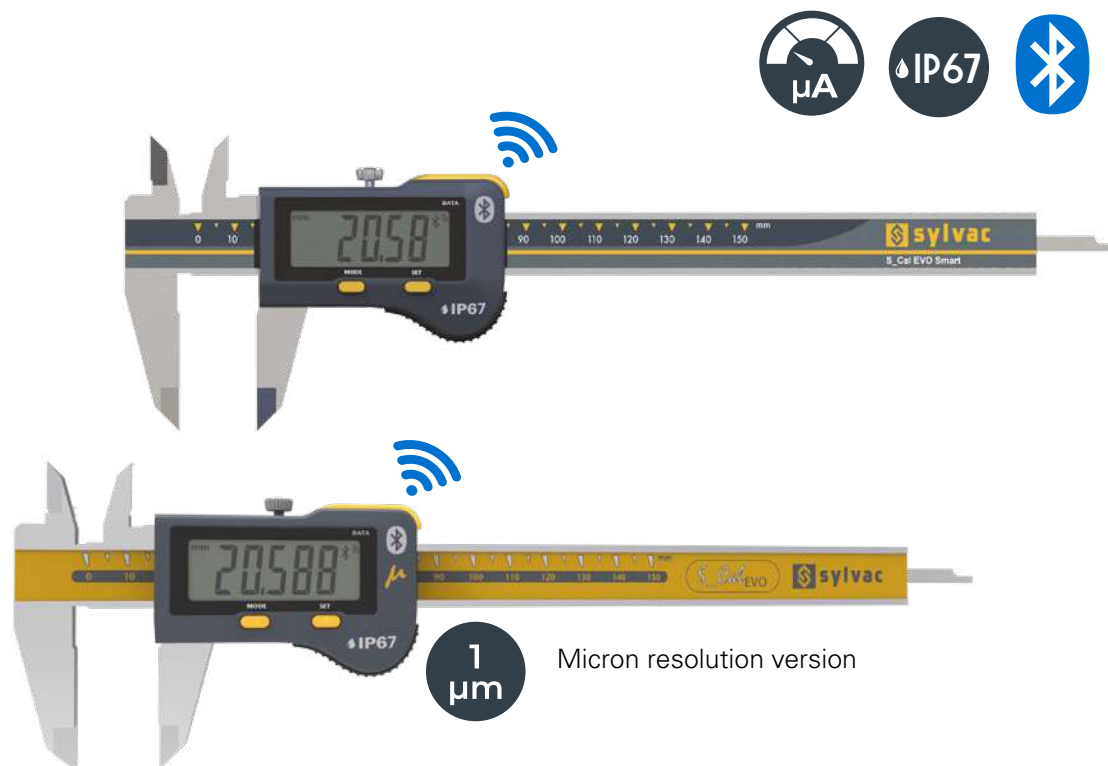
- High-quality, ergonomic caliper with integrated Bluetooth® technology
- Hardened stainless frame, thickness of 3.5 mm
- Optional thumb wheel available



Thumb wheel for S_Cal EVO
(Smart : 810-2203)



Anvils set for caliper
(910-2207)



Technical specifications	810-1506	810-1516	810-1526	810-1536	810-9506	810-9516	810-9526
Measuring range (mm)	150	150	200	300	150	150	200
Max. Error G – external measurements (µm)	20 ¹⁾	20 ¹⁾	30 ¹⁾	30 ¹⁾	20 ¹⁾	20 ¹⁾	25 ¹⁾
Max. Error – internal measurements (µm)	20-30 ²⁾	20-30 ²⁾	30 ²⁾	40 ²⁾	20-30 ²⁾	20-30 ²⁾	30 ²⁾
Resolution (mm)	0.01	0.01	0.01	0.01	0.001	0.001	0.001
Output data	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®
Depth rod (mm)	4x1.4	Ø 1.5	4x1.4	-	4x1.4	Ø 1.5	4x1.4
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold, Data						

¹⁾ 0-150 mm : 20 µm / ISO13385-1 / >150 mm : 30 µm / ISO13385-1

²⁾ Ø4-25 : 20 µm / ISO13385-1 / Ø26-150 : 30 µm / ISO13385-1 / >Ø150 : 40 µm / ISO13385-1



More information
about the product

CALIPERS



S_Cal EVO Form E & B

- High-quality, ergonomic caliper, with integrated Bluetooth® technology, type E or B
- Caliper's 100 mm long upper jaws for external dimensions and internal dimensions from 10,1mm
- Hardened stainless frame, thickness of 5 mm



Technical specifications	810-1546	810-1556	810-1558
Measuring range (mm)	300	300	500
Type	E	B	B
Accuracy (mm)		0.03	
Resolution (mm)	0.01	0.01	0.01
Output data	Bluetooth®	Bluetooth®	Bluetooth®
Section (mm)	17x5	17x5	17x5
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold, Data		



More information
about the product

ULTRA-LIGHT CALIPERS



UL4 Standard

- Ultra-light caliper with Proximity output and integrated Bluetooth® technology
- Frame made of special aluminium profile reinforced with 4 stainless steel guide rods
- Measuring force control device



ULD4



ULH4



ULV4



UL4 - Special execution



Technical specifications	811-1404	811-1406	811-1410	811-1415	811-1420	811-1425	811-1430
Measuring range (mm)	400	600	1000	1500	2000	2500	3000
Max error. (μm)	30	40	50	90	120	150	200
Repeatability (μm)	20	20	20	20	30	30	30
Resolution (mm)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Output data	Bluetooth® & Proximity						
Weight (kg)	1.5	1.6	1.9	2.3	2.6	2.9	3.3
Measuring force (N)	7.5 - 11.5 (±20%)						
Functions	Zero setting, 2 references, min/max/delta, tolerances, Preset (max 9999.99), mm/inch, Hold						

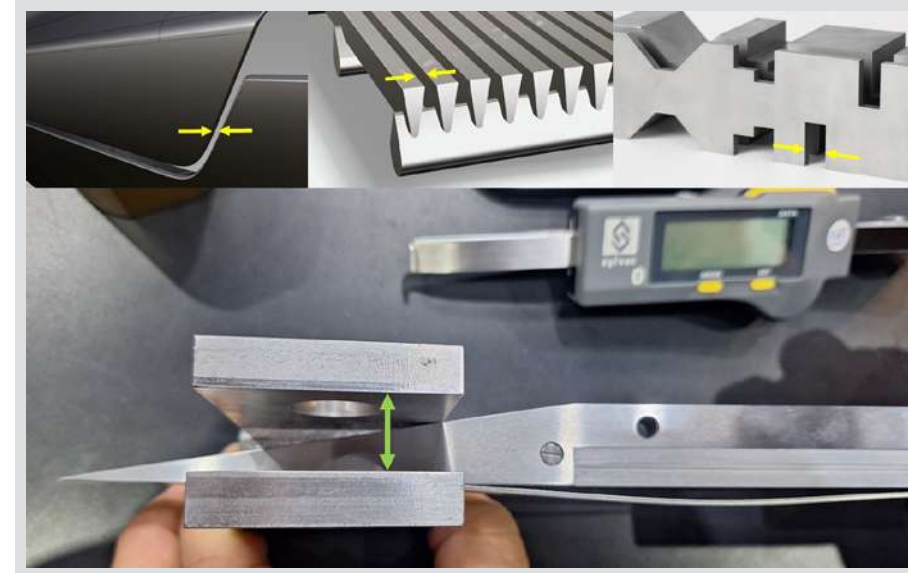


More information
about the product

GAP TAPER GAGE

Taper Gage Smart

- Professional taper gage for gap and thickness measurement with integrated Bluetooth® technology
- Exceptional Precision
- One-push operation to send the measurement



Examples of measurements with a Gap Taper Gage.

Technical specifications	918-0005	918-0012	918-0025
Measurement capacity (mm)	0.5 – 5.5	0.5 – 17.5	12.5 – 28.5
Repeatability (μm)		10	
Max. error G (μm)		30	
Resolution (mm)		0.01	
Output data	Bluetooth®	Bluetooth®	Bluetooth®
Weight (g)	270	382	510
Functions		Preset	



More information
about the product

THICKNESS GAGE

Feeler Gage Smart

- Thickness gage with digital display of the total thickness of all blades removed from the case
- With integrated Bluetooth® technology
- Feelers thickness accuracy according to DIN 2275: 2014-03 class TC1
- Display resolution 0.01 mm and .001"



Measuring valves with Feeler Gage Smart

Technical specifications	921-0100	921-0110	921-0114
Measurement capacity (mm/inch)	0.05...1.00mm	0.04...1.00mm	0.0020...0.0310in
Thickness of feelers (mm/inch)	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm	0.0020, 0.0030, 0.0040, 0.0050, 0.0060, 0.0070, 0.0080, 0.0090, 0.0100, 0.0120, 0.0150, 0.0200, 0.0250, 0.0310 in
Total thickness of feelers (mm/inch)	10.5mm	6.64mm	0.157in
Number of gage	20	19	14
Output data	Bluetooth®	Bluetooth®	Bluetooth®
Protection		IP65	



More information
about the product

MICROMETERS

S_Mike PRO Ø6.5mm

- High-speed micrometer with non-rotating spindle with data outputs Proximity or integrated Bluetooth® technology
- Ø6.5mm cylindrical anvils
- Different ranges of measurements available



Technical specifications	803-0300	803-0306	903-0600	903-0606	903-1000	903-1006	903-1360	903-1600
Measuring range (mm)	0-30	0-30	30-66	30-66	66-102	66-102	100-136	125-161
Max. error MPEJ ¹⁾ (µm)	3		4		5		7	8
Repeatability ²⁾ (µm)			1				2	
Anvils type (mm)	Ø 6.5							
Output data	Proximity	Bluetooth®	Proximity	Bluetooth®	Proximity	Bluetooth®	Proximity	Proximity
Commutable measuring force (N)	5/10				10			
Functions	Preset, SIS, non-rotating spindle, fast movement, Setting by PC							

¹⁾ According to DIN 863 / ISO 3611

²⁾ ± 1 digit



More information
about the product

MICROMETERS

S_Mike EVO Smart

- Micrometer with rotating spindle with integrated Bluetooth® technology
- 1 mm per revolution and resolution of 0.001 mm on the XXL display
- Ø6.5mm cylindrical anvils



Technical specifications	803-6025	803-6050	803-6075	803-6100
Measuring range (mm)	0-25	25-50	50-75	75-100
Max. error MPEJ ¹⁾ (µm)	2		3	
Repeatability ²⁾ (µm)	1			2
Anvils type (mm)	Ø 6.5			
Output data	 Bluetooth®	 Bluetooth®	 Bluetooth®	 Bluetooth®
Commutable measuring force (N)	7-10			
Functions	Preset, SIS, rotating spindle, setting by PC			

¹⁾ According to DIN 863 / ISO 3611

²⁾ ± 1 digit



More information
about the product

MICROMETER HEAD

•NEW•
PRODUCT



S_Head Smart

- Micrometer head with integrated Bluetooth® technology
- To be mounted on big goose-neck
- 2mm pitch
- Spindle diameter Ø8mm, joint diameter Ø12mm



Micrometer head mounted
on a goose-neck



Technical specifications	803-6500
Range (mm)	30
Max. error MPEJ ¹⁾ (µm)	3
Repeatability ²⁾ (µm)	1
Output data	Bluetooth
Commutable measuring force (N)	5/10
Functions	Preset, SIS, rotating spindle, fast movement, setting by PC

¹⁾ According to DIN 863 / ISO 3611

²⁾ ± 1 digit



More information
about the product

PROTRACTOR

Protractor Smart

- Digital Protractor with integrated Bluetooth® technology
- Measuring range : 1×360°, 2×180° and 4×90°



Measuring a part with a Protractor.

Technical specifications	820-1706
Measuring range (mm)	1×360°, 2×180°, 4×90°
Précision	4 minutes of arc / 0.06° / 0.0012 rad
Repeatability	0.01°
Resolution	0.01° / 1 minute of arc (0°01') / 0.0001rad
Output data	 Bluetooth®
Max. rotating speed max.	1080° / sec
Functions	Units (deg, rad or d-n), reference, Preset, Measurement direction, mode MIN/MAX/DELTA, tolerance display, switch off, keypad lock



More information
about the product

LEVER PROBE DIGITAL

S_Probe LPD Smart & wired

- Lever probe digital with direct output (USB, M8 or OPEN) or with integrated Bluetooth® technology
- Exceptional resolution of 0,01 µm
- Compatible with Sylvac display units, Sylcom, Vmux and PLC (OPEN cable version only)



**NEW
PRODUCT**



Technical specifications	801-3012	801-3212	801-3412	801-3006
Type	LPD USB	LPD M8	LPD OPEN	LPD Smart
Measuring force (cN) ¹⁾	3 - 19 cN ±20% / 2 - 9 cN ±20% ¹⁾			
Measuring range (mm)	+ 0.6 / +1.3 ¹⁾			
Resolution (µm)	0.001			
Stylus length (mm)	12.5 / 32.3 ¹⁾			
Max. error - Local max. error (µm)	0.8 / 2 ¹⁾ - 0.3 / 0.7 ^{1) 2)}			
Repeatability (µm)	0.07 / 0.15 ¹⁾			
Max. hysteresis (Fu) (µm)	0.5 / 1 ¹⁾			
Weight (g)	92 ³⁾			112
Output data	USB	M8	OPEN	Bluetooth®

¹⁾ with stylus 32.3 mm, reference 801-8004, option

²⁾ max. local error over 50µm, unidirectional

³⁾ instrument without cable



More information
about the product

INDUCTIVE MEASURING PROBES

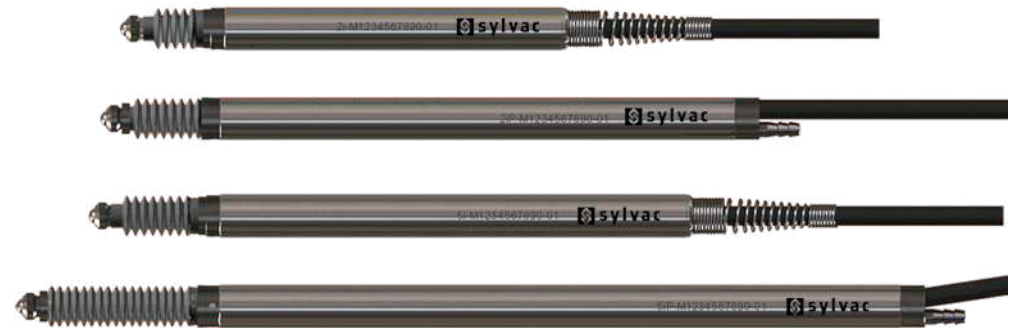


S_Probe Inductive

- Pencil-type inductive probe
- High resolution up to 0.0001 mm
- Compatible with D300S, D70i and D400S (via M-BUS modules)



Inductive sensors connected to the D70i



Technical specifications	900-1101	900-1102	900-1111	900-1112
Type	P2i	P2iP	P5i	P5iP
Travel (mm)	±2		±5	
Pre-travel/Post-travel (mm)	0.15 / 1.35	0.8 / 1.2	0.15 / 0.85	0.3 / 0.7
Repeatability (µm)	0.15			
Accuracy of reading (%)	2.5 µm + 0.5			
Push type	Ressort	Pneumatic	Ressort	Pneumatic
Body diameter (mm)	8h6			
Measuring force (N) ¹⁾	0.7	0.7 / 0.4 bar – 2.6 / 1 bar	0.7	0.7 / 0.4 bar – 2.6 / 1 bar

¹⁾ Tolerance ± 20%, measuring probe in middle course, outgoing spindle



More information
about the product

ABSOLUTE DIGITAL PROBE



S_Probe P12D

- Absolute digital probe with direct digital output to USB, M8 or OPEN
- Measuring range of 12.7mm
- Maximal error of 0,6 or 1.8µm and repeatability of 0,15 or 0,2µm

M8 cable



USB cable



OPEN cable



Technical specifications	801-1012	801-1018	801-1212	801-1218	801-0212	801-0012	801-0412
Type	P12D HR USB	P12D HR USB CF	P12D HR M8	P12D HR MB CF	P12D WORK M8	P12D WORK USB	P12D OPEN
Measuring range (mm)	12.7						
Force (N) ¹⁾	0.2 – 0.3	0.08	0.2 – 0.3	0.08		0.4 – 0.8	
Repeatability (µm)		0.15				0.2	
Resolution (µm)		0.01				0.1	
Max. error (µm)		0.6				1.8	
Output data	USB		M8		M8	USB	OPEN

¹⁾ ± 20%, vertical position

²⁾ CF = constant force : usable only vertically, rod pointing downwards (without spring)



More information
about the product

ABSOLUTE DIGITAL PROBE

**•NEW•
PRODUCT**



S_Probe P25D Smart & Wired

- Absolute digital probe with direct digital output to USB, M8 or OPEN or with integrated Bluetooth® technology
- Measuring range of 25mm
- Maximal error of 0,8µm and repeatability of 0,1µm



Powered by AA battery
or USB-C cable

Technical specifications	801-1225	801-1228	801-1229	801-1235	801-1238	801-1626	801-1636
Type	P25D M8	P25D USB	P25D OPEN	P25D M8 CF	P25D USB CF	P25D Smart	P25D Smart CF
Force (N) ¹⁾		0.6 – 1.2		0.15		0.6 – 1.2	0.15
Measuring range (mm)				25.4			
Resolution (µm)				0.01			
Max. error (µm)				0.8			
Repeatability (µm)			0.1			0.08	
Output data	M8	USB	OPEN	M8	USB	Bluetooth®	Bluetooth®

¹⁾ ±20%, vertical position

²⁾ CF = constant force : usable only vertically, rod pointing downwards (without spring)



More information
about the product

DISPLAY UNIT

Display Unit D62S Standard & Advanced

- Digital display unit for Sylvac absolute digital probes
- Touch screen 4.3"
- Standard version or Advanced with integrated Bluetooth® technology, battery integrated ($\geq 8h$), global tolerance and date/clock.
- The battery allows to use the display unit without any power supply.



P12D probe mounted on a PS15 measuring bench and connected to the D62S Advanced unit.

Technical specifications	804-1062	804-1063
Type	D62S	D62S Advanced
Inputs	0.7 – 1.3	
Resolution (μm)	25.4	
Max. error (μm)	0.01	
Repeatability (μm)	0.8	
Protection	0.1	
Output data	USB / RS232	Bluetooth* / USB / RS232
Functionnalities	Indicator of the global tolerance, Battery and RTC	

* The unit operates in Bluetooth® slave mode: it transmits data to a master device without allowing direct connection or display (like other instruments).



More information
about the product

DISPLAY UNIT

**SWISS
MADE**

0.1
μm



Display Unit D300S USB

- Multifunction digital display unit for connecting handheld instruments and USB probes as well as Bluetooth® instruments (via Smart dongle)
- Large 8.5" touchscreen
- Robust design for workshop use



Technical specifications	804-1350
Type	D300S
Inputs ¹⁾	6x USB
Protection	IP40 / Front face : IP65
Output data	RS232, USB
Overall dimensions (mm)	330 x 175 x 77
Weight (kg)	3.3
Functionnalities	Setting by PC

¹⁾ Extendable to 12 instruments via hub USB



More information
about the product

DISPLAY UNIT

Display Unit D70 I & H

- Robust display units with 2 probe inputs
- Touch screen 4.3"
- Plug&play



Technical specifications	804-2071	804-2072
Type	D70I	D70H
Inputs	2	
Types of probes	Sylvac Inductive probes (Tesa & Mahr compatible) / Heidenhain ST/MT probes (Mitutoyo & Magescale with adapter) / P12D / P25D ^{1) 2)}	
Overall dimensions (mm)	140x105x111	
Max. error (µm)	According to probes	
Protection	IP65	
Output data	USB/RS232 (1x1)	

¹⁾ Mahr probes : only probes compatible Tesa

²⁾ via M-bus modules



More information
about the product

DISPLAY UNIT

Display Unit D70A 1&2 inputs

- Display unit with 1 or 2 inputs for air measurement
- Touch screen 4.3"
- Plug&play



**Air preparation kit with
«energy saving»
804-2212**



**Additional air preparation
«pneumatic probes lifting»
804-2213**



**Air preparation kit
804-2203**



Technical specifications	804-2074	804-2075
Type	D70A-1	D70A-2
Inputs	1	2
Types of probes	Plug gages and air gages / P12D, P25D ¹⁾	
Overall dimensions (mm)	140x105x111	
Max. error (µm)	According to connected instruments	
Protection	IP65	
Output data	USB/RS232 (1x1)	

¹⁾ via M-bus modules



More information
about the product

DISPLAY UNIT



Display Unit D400S

- Multifunction digital display unit for multigauging applications
- Up to 99 instruments of different makes and 32 channels through M-BUS
- Robust construction and mounting versatility



Technical specifications	804-2400
Type	D400S
Inputs	up to 99 instruments
Overall dimensions (mm)	200x143x151.6
Max. error (µm)	According to probes/instruments
Protection	IP65 (front face)
Output data	USB/RS232



More information
about the product

MULTIPLEXERS MODULES

Multiplexer M-BUS

- Large range of M-Bus Interfacing Modules designed for probes, PLC, power supply, computer, temperature sensor or Bluetooth® instrument.
- Input/Output data RS485



Technical specifications	804-2105	804-2107	804-2108	804-2111	804-2114
Model	MB-4P	FMB-4i ¹⁾	MB-8i	MB-1D	MB-4D
Compatibility	D300S/D400S				
Type of instruments	Probes P12D/ P25D		Inductive probes		Digimatic probes
Inputs	4	4	4	1	4

Technical specifications	804-2130	804-2132	804-2133	804-2160
Model	MB-I/O	MB-NET	MB-RO	MB-RS
Compatibility	D300S/D400S/D70	D400S/D70		Computer
Type of instruments	PLC I/O	Ethernet connector for server sending	Relay output	Computer
Inputs	8	1	1	254

Technical specifications	804-2134	804-2170	804-2180	804-2190
Model	MB-1R	MB-TP	MB-BT	MB-AG
Compatibility	D300S/D400S/D70			D400S/D70
Type of instruments	All instrument types with RS232 connection	Temperature sensor input PT100	Instruments with Bluetooth® technologie	Plug/ air gauges
Inputs	1	1/1	8	1



More information
about the product

¹⁾ F = fast

INTERNAL MICROMETERS



Set SXTD-U BT

- Complete sets delivered with box containing all the necessary items, calibration rings, and UKAS certificates
- Bluetooth® Technology and Proximity integrated
- Resolution 0.001mm



Interchangeable measuring heads



Complete set
951-7105

Technical specifications	951-7103	951-7104	951-7105	951-7106
Type	SXTD3U-BT	SXTD4U-BT	SXTD5U-BT	SXTD6U-BT
Measuring range (mm)	6-10	10-20	20-50	50-100
Number of instruments	2	3	3	3
Number of heads	2	3	3	3
Number of rings	1	2	2	2
Output data	Bluetooth® & Proximity			



More information
about the product

INTERNAL MICROMETERS

Xtreme3 XT3D & XT3H

- Bore gauge is equipped with integrated Bluetooth® Technology and output Proximity
- Version XT3D (digital) and XT3H (pistol type with quick retraction handle)



Reference XT3D	Reference XT3H	Measuring range (mm)	Depth (mm)	Max. error (µm)	Ø ring (mm)	Output data
950-6011	954-6011	6 - 8	58	4	8	Bluetooth & Proximity
950-6012	954-6012	8 - 10	58	4	8	Bluetooth & Proximity
950-6013	954-6013	10 - 12.5	58	4	12.5	Bluetooth & Proximity
950-6014	954-6014	12.5 - 16	62	4	12.5	Bluetooth & Proximity
950-6015	954-6015	16 - 20	62	4	20	Bluetooth & Proximity
950-6016	954-6016	20 - 25	66	4	20	Bluetooth & Proximity
950-6017	954-6017	25 - 35	66	4	35	Bluetooth & Proximity
950-6018	954-6018	35 - 50	80	4	35	Bluetooth & Proximity
950-6019	954-6019	50 - 65	80	5	65	Bluetooth & Proximity
950-6020	954-6020	65 - 80	80	5	65	Bluetooth & Proximity
950-6021	954-6021	80 - 100	100	5	80	Bluetooth & Proximity
950-6022	954-6022	100 - 125	115	6	125	Bluetooth & Proximity



More information
about the product

MINI DIGITAL INDICATORS



S_Dial MINI Basic & Smart

- Smallest digital indicator on the market available in Basic version or Smart version with integrated Bluetooth® technology
- High precision
- Clamping stem Ø 8h6



Measuring a part with an S_Dial MINI Smart.

Technical specifications	805-4121	805-4125	805-4521	805-4525	805-6121	805-6123	805-6125	805-6521	805-6523	805-6525
Type	Basic	Basic	Basic	Basic	Smart (c)	Smart	Smart	Smart (c)	Smart	Smart
Measuring range (mm)	12.5									
Analog scale	-	-	-	-	✓	✓	✓	✓	✓	✓
Resolution (mm)	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001
Output data	Power	Power	Power	Power	Bluetooth	Bluetooth	Bluetooth	Bluetooth	Bluetooth	Bluetooth
Execution	S	P	S	P	S	S	P	S	S	P
Max. error fe (μm)	10	10	4	4	10	10	10	4	4	4
Repeatability (μm)	2									
Measuring force (N) ¹⁾	0.5 – 0.9	0.6 – 1.3	0.5 – 0.9	0.6 – 1.3	0.5 – 0.9	0.5 – 0.9	0.6 – 1.3	0.5 – 0.9	0.5 – 0.9	0.6 – 1.3
Protection	IP54	IP67	IP54	IP67	IP67	IP67	IP67	IP67	IP67	IP67

Functionnalities

Zero setting, Preset, Selection of measuring direction

Zero setting, Preset, Selection of measuring direction, chang. resolution, multi. factor, min/max/delta

¹⁾ Values ± 20%, indicator in vertical position, outgoing measuring spindle, ²⁾ S=Standard and P=Protected, (c) = with lifting cap



More information
about the product

DIGITAL INDICATORS

S_DialWORK Advanced & Smart

- Digital indicator with data output Proximity/Power and with integrated Bluetooth® technology (According to Model)
- Housing Ø59.5mm, rotatable by 270°
- Practical functions
- Flexible measuring range 12.5 to 150mm



Technical specifications	805-5301	805-5501	805-5621	805-5661	805-5681	805-6301	805-6501	805-6621	805-6661
Type	Advanced	Advanced	Advanced	Advanced	Advanced	Smart	Smart	Smart	Smart
Measuring range (mm)	12.5	25	50	100	150	12.5	25	50	100
Resolution (mm)	0.001								
Output data	Proximity/Power					Bluetooth®			
Max. error fe (µm)	3	4	5	6	10	3	4	5	6
Repeatability (µm)	2								
Measuring force (N) ¹⁾	0.65 – 0.9	0.65 – 1.15	1.1 – 2.6	1.8 – 3.8	2.6 – 5.7	0.65 – 0.9	0.65 – 1.15	1.1 – 2.6	1.8 – 3.8
Protection	IP54								

Functionnalities mm/inch, ref I/II, preset (max 999.999), min/max/delta, tolerances, resolution, direction of measurement, multiplication factor, automatic or manual switch off, key lock

¹⁾ Tolerance ± 20%, spindle in outgoing measurement position



More information about the product

DIGITAL INDICATORS

S_DialWORK Nano & Nano Smart

- Digital indicator with data output Proximity/Power and with integrated Bluetooth® technology (According to Model)
- Resolution 0.1 micron
- Housing Ø59.5mm, rotatable by 270°
- Practical functions



Technical specifications	805-5306	805-5506	805-6306	805-6506
Type	Nano	Nano	Nano Smart	Nano Smart
Measuring range (mm)	12.5	25	12.5	25
Resolution (mm)	0.0001			
Data output	Proximity/Power	Proximity/Power	Bluetooth®	Bluetooth®
Max. error fe (μm)	1.2	1.6	1.2	1.6
Repeatability (μm)	0.3			
Measuring force (N) ¹⁾	0.65 – 0.9	0.65 – 1.15	0.65 – 0.9	0.65 – 1.15
Protection	IP54			

Functionnalities mm/inch, ref I/II, preset (max 999.999), min/max/delta, tolerances, resolution, direction of measurement, multiplication factor, automatic or manual switch off, key lock

¹⁾ Tolerance ± 20%, spindle in outgoing measurement position.



More information about the product

DIGITAL INDICATORS

S_DialWORK PLC

- Digital indicator with PLC connector for connection to a PLC
- Compatible ASCII, MODBUS and ORBIT



S_DialWORK CBG

- Digital indicator for special bore gauge measurement
- Output data via Proximity/Power with integrated Bluetooth® technology



Bore gauge measurement with CBG



Technical specifications	805-7201	805-7301	805-7401	805-7501
Type	PLC	PLC	PLC	PLC
Measuring range (mm)	12.5	12.5	25	25
Resolution (mm)	0.001			
Max. error fe (μm)	3	4	5	6
Repeatability (μm)	2			
Measuring force (N) ¹⁾	0.65 – 0.9	0.65 – 0.9	0.65 – 1.15	0.65 – 1.15
Protection	IP54			
Functionnalities	mm/inch, preset (max 999.999), min/max/delta, tolerances, resolution, multiplication factor, automatic or manual switch off			

¹⁾ Tolerance ± 20%, spindle in outgoing measurement position.



More information about the products



805-6317

CBG
12.5
0.001
3
2
0.65 – 0.9
IP54
Same as PLC

DIGITAL INDICATORS

S_Dial PRO Smart

- Digital indicator with data output Proximity /Power and with integrated Bluetooth® technology
- Resolution 0.1 micron
- Housing Ø59.5mm, rotatable by 270°
- High precision



Measuring a watch component with an S_Dial PRO Smart.

Technical specifications	805-8501	805-8601	805-8602	805-8661
Measuring range (mm)	25	50	50	100
Resolution (mm)	0.0001			
Sortie de données	Bluetooth®	Bluetooth®	Bluetooth®	Bluetooth®
Max. error fe (µm)	1.0	1.2	1.2	1.8
Repeatability (µm)	0.2			
Measuring force (N) ¹⁾	0.75 – 1.0	0.85 – 1.2	0.85 – 1.2	0.9 – 1.3
Clamping	ø8 h6		ø25 g7	ø8 h6
Spring	✓			
Protection	IP51			
Functionnalités	mm/inch, ref I/II, preset (max 99.9999) min/max/delta, tolerances, resolution, measuring direction, multiplier, automatic extinction/manual, keylock			

¹⁾ The values agree within ± 20% (vertical down, measuring rod outgoing)



More information
about the product

MICROMETER SCREWS

S_Screw Smart

- Digital micrometric screw with data output Proximity/Power and with integrated Bluetooth® technology
- Housing Ø45mm, rotatable by 270°, enabling both horizontal or vertical use
- Clamping stem Ø12 h6
- Ø 6.5mm hard metal tip



Micrometer screws mounted on a jig.

Technical specifications	852-2601	852-2611
Measuring range (mm)	0-25	0-50
Resolution (mm)	0.001	
Output data	Bluetooth	Bluetooth
Max. error fe (µm)	5	8
Repeatability (µm)	2	
Protection	IP54	
Functionnalities	Selection of measuring direction, Preset, 4 references and multiplication factor	



More information
about the product

BENCH TABLE

Bench table PS15

- Compact horizontal bench for small parts up to 10mm
- Versatile and customizable: option to mount a probe or digital indicator for measurement, as well as a wide range of anvils and tables



Technical specifications	808-1215	808-1216	808-1218
Type	PS15BH	PS15BV	PS15BV+
Measurement capacity (mm)	20	20	20
Measuring range (mm)	10	10	10
Max. error (µm)	According to measuring system : probe of digital indicator		
Adjustable measuring force (N) ¹⁾	0.3 – 1.0	0.3 – 1.0	0.3 – 1.0
Measuring direction	Horizontal	Vertical	Vertical
Anvils fixation (mm)	Ø1.5	M2.5	Ø1.5
Cary compatibility	✓	✓	✓
Weight (kg)	1.8	1.8	1.8

¹⁾ Values ± 20%



More information
about the product

BENCH TABLE

PS16V2 Smart

- All-in-one horizontal measuring bench with integrated measuring system and display
- Output data Proximity/Power and with integrated Bluetooth® technology
- Resolution de 0.001mm
- Sylvac anvils Ø1.5mm



Technical specifications	808-1231	808-1232
Type	PS16 V2-25	PS16 V2-50
Measuring range (mm)	25	50
Max. error (µm)	1.5	2.0
Repeatability (µm)	0.2	
Output data	 Bluetooth®	 Bluetooth®
Adjustable measuring force (N) ¹⁾	0.1 – 0.6	
Measuring direction	Horizontal	
Anvils fixation (mm)	Ø1.5	Ø1.5
Cary compatibility	✓	✓
Weight (kg)	3.6	4.2

¹⁾ Values ± 20%

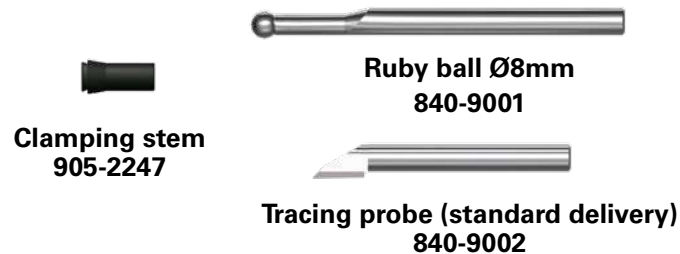


More information
about the product

HEIGHT GAUGES

Hi_Gage ONE Smart

- Tracing and measuring height gauge with integrated Bluetooth® technology and data output Power and Proximity
- Intuitive and versatile
- Measuring range 400 or 600mm
- Resolution 0.01mm



Technical specifications	840-0406	840-0606
Type	Hi_Gage 400	Hi_Gage 600
Measuring range (mm)	400	600
Resolution (mm)	0.01	
Data output	 Bluetooth [®]	 Bluetooth [®]
Max. error (μm)	40	50
Repeatability (μm)		
Functions	2 references, Preset, Selection of measuring direction, SIS	

¹⁾ +/- 1 digit



More information
about the product

HEIGHT GAUGES

Hi_Cal V2 Smart & Z5

- High precision height gauges
- With integrated Bluetooth® technology on Hi_Cal and via Bluetooth® module on Z5
- Measuring ranges 150 to 700mm



Bluetooth® for Z5
981-7200



Complete accessories set for Hi_Cal
930-2150



Technical specifications	830-0156	830-0306	830-0456	936-0400	936-0700
Type	Hi_Cal 150	Hi_Cal 300	Hi_Cal 450	Z5 400	Z5 700
Measuring range (mm)	150	300	450	407	711
Max. error (µm)	2.0 + L / 200 ¹⁾			2.5 + L / 300	
Repeatability (µm)	1			2	
Resolution (mm)	0.01 / 0.001 / 0.0005			0.0001	
Data output	Bluetooth® & Power & Proximity → USB/RS232			USB, RS232 & Bluetooth® (via module)	
Velocity (mm/s)	100			-	
Displacement	Motorised			Manual	Manual et motorised
Measuring force (n)	0.25 – 0.35			0.75 ÷ 1.5	
Autonomy (h)	< 40 ²⁾			12	
Weight (kg)	4.0	4.7	6.8	21	24
Functions	Zero setting, Min/Max/Delta, Preset, 2 ref, Measurements Ø, h and centers distances, setting by PC				

¹⁾ With standard probe, in laboratory conditions ²⁾ Autonomy of the battery: 8h/d at 20% use, 16h/d sb ³⁾ With adjustment of the measuring force



More information
about the product

OPTICAL MEASUREMENT

Sylvac-SCAN S25/S25T

- Optical machine for cylindrical parts up to Ø26mm
- Optional tilting optics for true thread measurement at the helix angle
- Operator touch panel for ease of use
- Quick release tool system
- Measure your parts in only a few seconds



Software Reflex-SCAN+



Technical specifications	902-4025		804-4020	
Type	S25T		S25	
	Diameter	Length	Diameter	Length
Measuring range (mm)	26	200	26	200
Resolution up to (mm)	0.0001			
Max. error (µm) ¹⁾	0.9 +(D[mm]/100)	2.5 +(L[mm]/200)	0.9 +(D[mm]/100)	2.5 +(L[mm]/200)
Repeatability 2σ (µm)	0.5	0.8	0.5	0.8
Holding capacity (mm)	51	200	51	200
Tilting for thread measurement °	30		-	
Axial move speed (mm/s)	up to 100			
Max. weight of the part (kg)	3			
Weight of the machine (kg)	73			

¹⁾ 20° C ± 1° C



More information
about the product

OPTICAL MEASUREMENT

**·NEW·
PRODUCT**

Sylvac-SCAN S65/S65T

- Optical machine for cylindrical parts up to Ø65mm
- Optional tilting optics for true thread measurement at the helix angle
- Operator touch panel for ease of use
- Quick release tool system
- Measure your parts in only a few seconds



Examples of parts to measure



More information
about the product

Technical specifications ¹⁾	902-4265		902-4260		902-4267		902-4262	
Type	S65T		S65		S65LT		S65L	
	Diameter	Length	Diameter	Length	Diameter	Length	Diameter	Length
Measuring range (mm)	65	350	65	350	65	700	65	700
Resolution up to (mm)	0.0001							
Max. error (μm) ²⁾	D : < 1 +(D[mm]/100) / L : < 3 +(L[mm]/200)							
Repeatability 2σ (μm)	< 0.5	< 1.0	< 0.5	< 1.0	< 0.5	< 1.0	< 0.5	< 1.0
Tilting for thread measurement °	30		-		30		-	
Axial move speed (mm/s)	160							
Weight max.of the part (kg)	60							

¹⁾ Preliminary specifications, subject to change without prior notice.

²⁾ 20° C ± 1° C

OPTICAL MEASUREMENT

Sylvac-SCAN S145/S145L/S145XL

- Optical machine for cylindrical parts up to Ø145mm
- For parts up to 100kg
- Easy to use Reflex-SCAN+ software
- Optional version with integrated touch probe can be ordered for internal / blind features such as keyways



Version with probe (option)



Technical specifications	902-4145		902-4147		902-4148	
Type	S145		S145L		S145XL	
	Diameter	Length	Diameter	Length	Diameter	Length
Measuring range (mm)	145	615	145	1280	145	1800
Resolution up to (mm)	0.0001					
Max. error (µm) ¹⁾	1.5 +(D[mm]/100)	4 +(L[mm]/200)	1.5 +(D[mm]/100)	4 +(L[mm]/200)	1.5 +(D[mm]/100)	4 +(L[mm]/200)
Repeatability 2σ (µm)	0.5	1	0.5	1	0.5	1
Holding capacity (mm)	254	615	254	1280	254	1800
Axial move speed (mm/s)	up to 160					
Max weight of the part (kg)	100					
Weight of the machine (kg)	530		650		797	

¹⁾ 20° C ± 1° C

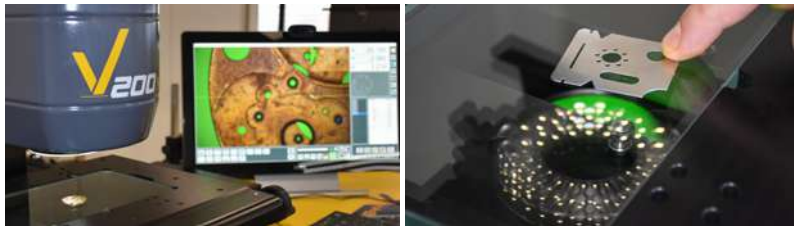


More information
about the product

OPTICAL MEASUREMENT

Sylvac-VISIO 200 & 300

- Optical video measuring system
- Robust construction for durability
- 3 types of lighting
- Software Reflex-VISTA with large range of functions as 2D CAO comparison and DXF files importation



Applications



Version with manual zoom



Version with motorised zoom



Technical specifications	902-2210	902-2211	902-2310
Type	Visio 200 MAN	Visio 200 MOT	VISIO 300
Measuring volume (mm)	200x100x150		300x200x150
X, Y Accuracy (E_1 , X, Y) (µm)	1.9 + 10L/1000 (L = mm) ^{1/ 3)}		1.9 + 4L/1000 (L = mm) ^{1/ 3)}
XY Accuracy (E_2 , XY) (µm)	2.4 + 10L/1000 (L = mm) ^{1/ 3)}		2.4 + 4L/1000 (L = mm) ^{1/ 3)}
Z Accuracy (E_3 , Z) ²⁾ (µm)	2.9 + 10L/1000 (L = mm)		2.9 + 10L/1000 (L = mm)
Resolution (mm)	0.001		
Max. load capacity (kg)	10		20
Magnification (screen 23.8")	24x – 144x (12x – 288x with additional lenses)		
Zoom	Manual 4x		Motorised 6x
Weight of the machine (kg)	98		170
International Standards	EN61000-6-2, EN61000-6-4, EN61326-1, EN12100-1, EN12100-2		

¹⁾ m < 5 kg ²⁾ mechanical accuracy ³⁾ at glass plate level



More information
about the product

DATA AQUISITION SOFTWARE



Sylcom LITE, Standard, PRO, Expert

- Easily acquire and analyze your production data, maintain part compliance, and increase production efficiency.

Functions de base

CONNECTIVITY

- Maximum 1 instrument and 1 footpedal connected via cable or Bluetooth® connection
- Pedal (USB / BT), barcode scanner
- MB-I/O, M-Bus

FUNCTIONS

- Tolerances, numerical, bar graph, histogram, Go/No Go
- Manual data entry
- Monitoring, Basic calculation
- Multiscale data
- Simple sequence
- Instrument autodetection

DATA EXPORT

- Active cell
- Text file
- Excel (data + formatting)
- COM port

INTERFACE

- Work menu & flashing display
- User management: create / activate / deactivate users
- Customizable background



Sylcom LITE

FREE VERSION

- Basic functions

www.sylvac.ch/sylcom

Sylcom STANDARD

- Includes all basic functions

+ STANDARD FUNCTIONS

- Up to 15 instruments via cable and/or 16 via Bluetooth® connection
- Customized flatness and formulas

981-7129 (digital), 981-7132 (dongle)

Sylcom PRO

- Includes all Standard functions

+ PRO FUNCTIONS

- Up to 128 instruments via cable and 16 via Bluetooth® connection
- SPC export
- Action programming
- Customized flatness and formulas
- Mixed measurements
- Control plan mode
- Traceability fields
- Skip measurement or inspection
- Show only active characteristic

981-7240 (digital), 981-7245 (dongle)

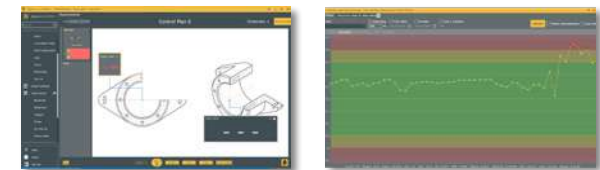
Sylcom EXPERT

- Includes all PRO functions

+ EXPERT FUNCTIONS

- Up to 500 instruments in «on the fly» mode
- CTM - Machine tool correction
- On-the-fly mode
- OPC-UA
- CLOUD monitoring
- Statistics display

981-7250 (digital), 981-7255 (dongle)



More information
about the product

VIRTUAL MULTIPLEXER SOFTWARE



Vmux2 LITE, Standard & Pro

- Virtual multiplexer enabling operators to quickly and easily send production data to third-party software.

Basic functions

- Maximum 1 instrument and 1 footpedal connected via cable or Bluetooth® connection
- Two-way communication
- Export your dimensional data in CSV or Excel file
- Export your values from USB or Bluetooth® over Port COM
- Export your dimensional data in an active field
- Runs in Windows background



Vmux 2 LITE

FREE VERSION

- Basic functions

www.sylvac.ch/vmux

Vmux 2 Standard

- Includes all basic functions

+ STANDARD FUNCTIONS

- 1 dongle with up to 16 instruments connected
- Automatic instrument selection
- Manage calibration date

www.sylvac.ch/vmux

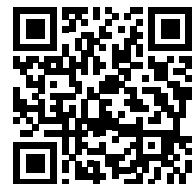
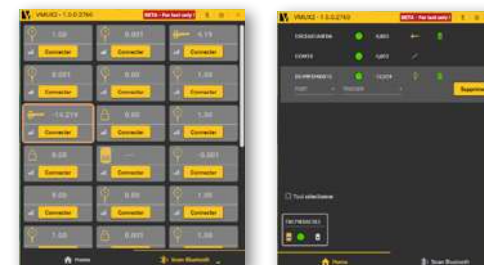
Vmux 2 Pro

- Includes all Standard functions

+ PRO FUNCTIONS

- Up to 64 instruments connected
- Sending instrument-specific commands

www.sylvac.ch/vmux



More information
about the product

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