



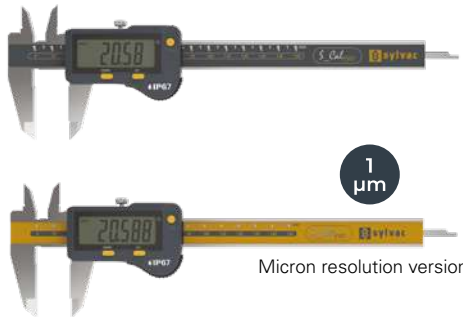
BESTSELLERS 24-25

Smart metrology for optimized productivity



CALIPERS

S_Cal EVO



1 μ m

Micron resolution version

Proximity

- High-quality, ergonomic caliper with Proximity data output
- 3.5 mm thick hardened and ground stainless steel pole
- Optional thumbwheel available

Technical data	810-1702	810-1707	810-1722	810-1732	810-9702	810-9707
Measuring range (mm)	150	150	200	300	150	150
Max. Error - external measurements (μ m)	20 ¹⁾	20 ¹⁾	30 ¹⁾	30 ¹⁾	20 ¹⁾	20 ¹⁾
Max. Error - internal measurements (μ m)	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
Depth rod (mm)	4x1.4	$\varnothing$ 1.5	4x1.4	-	4x1.4	$\varnothing$ 1.5
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold					

¹⁾ 0-150 mm : 20 μ m / ISO13385-1 / >150 mm : 30 μ m / ISO13385-1
²⁾ $\varnothing$ 4-25 : 20 μ m / ISO13385-1 / $\varnothing$ 26-150 : 30 μ m / ISO13385-1 / > $\varnothing$ 150 : 40 μ m / ISO13385-1

S_Cal EVO



1 μ m

Micron resolution version

Smart

- High-quality, ergonomic caliper with integrated Bluetooth® technology
- 3.5 mm thick hardened and ground stainless steel pole
- Optional thumbwheel available

Technical data	810-1506	810-1516	810-1526	810-1536	810-9506	810-9516
Measuring range (mm)	150	150	200	300	150	150
Max. Error - external measurements (μ m)	20 ¹⁾	20 ¹⁾	30 ¹⁾	30 ¹⁾	20 ¹⁾	20 ¹⁾
Max. Error - internal measurements (μ m)	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
Depth rod (mm)	4x1.4	$\varnothing$ 1.5	4x1.4	-	4x1.4	$\varnothing$ 1.5
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold					

¹⁾ 0-150 mm : 20 μ m / ISO13385-1 / >150 mm : 30 μ m / ISO13385-1
²⁾ $\varnothing$ 4-25 : 20 μ m / ISO13385-1 / $\varnothing$ 26-150 : 30 μ m / ISO13385-1 / > $\varnothing$ 150 : 40 μ m / ISO13385-1

Extra-large display
Data send button
Bluetooth® or cable connection
Measurement range up to 300mm
IP67 protection



Thumbwheel for S_Cal EVO
(Proximity : 810-2205, Smart : 810-2203)

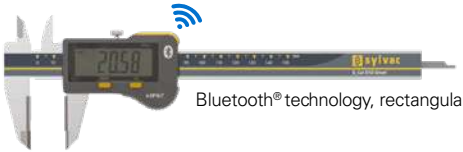


Set of anvils for calipers
(910-2207)



CALIPERS

S_Cal EVO



Bluetooth® technology, rectangular



No output, cylindrical

Carbide

- High-quality, ergonomic caliper with integrated Bluetooth® technology
- 3.5 mm thick hardened and ground stainless steel pole
- Outer jaws featuring soldered carbide pads

Technical data	810-1410	810-1510	810-1529
Measuring range (mm)	150	150	200
Max. Error - external measurements (µm)	20 ¹⁾	20 ¹⁾	30 ¹⁾
Max. Error - internal measurements (µm)	20-30 ²⁾	20-30 ²⁾	30 ²⁾
Resolution (mm)	0.01	0.01	0.01
Depth rod (mm)	Ø 1.5	4x1.4	4x1.4
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

S_Cal EVO



With upper jaws

Form E & Form B

- High-quality, ergonomic mid-size caliper with integrated Bluetooth® technology
- 5 mm thick hardened and ground stainless steel pole
- Long jaws 100 mm

Technical data	810-1546	810-1556	810-1558
Measuring range (mm)	300	300	500
Accuracy (mm)	0.03	0.03	0.03
Bar section (mm)	17x5	17x5	17x5
Resolution (mm)	0.01	0.01	0.01
Upper jaws	-	✓	✓
Functions	Zero setting, Preset (max 999.99), mm/inch, Hold		

Special versions carbide and mid-size
Extra-large display
Data send button
Bluetooth® connection
Measurement range up to 500mm



ULTRA-LIGHT CALIPERS

UL4



Standard

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

Technical data	810-1404	810-1406	810-1410	810-1415	810-1420
Measuring range (mm)	400	600	1000	1500	2000
Max error. (µm)	30	40	50	90	120
Repeatability (µm)	20	20	20	20	30
Resolution (mm)	0.01	0.01	0.01	0.01	0.01
Weight (kg)	1.5	1.6	1.9	2.3	2.6
Measuring force (N)	7.5 - 11.5 (±20%)				
Functions	Zero setting, 2 references, min/max/delta, tolerances, Preset (max 9999.99), mm/inch, Hold				

In the same range



ULD4



ULH4



ULV4



UL4 - Special execution

XXL and ultra-light : 3.3kg for 3m
External long jaws 200mm
Frame made of aluminium profile
Bluetooth® connection
Adjustable measuring force



More infos



MICROMETERS

S_Mike PRO



Proximity and Smart

- High-speed micrometer with non-rotating spindle, with Proximity data output or Bluetooth® technology
- Linear spindle feed 10 mm per revolution
- Measuring range from 0 to 161mm covered with only 5 instruments

Technical data	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 MPE _j (µm)	3	3	4	4	5	5	7	8
Repeatability (µm)	1	1	1	1	1	1	2	2
Type of anvils (mm)	Ø6.5							
Switchable measuring force (N)	5 / 10	5 / 10	10	10	10	10	10	10
Functions	Preset, zero setting, setting by PC							

S_Mike EVO



Smart

- Rotating spindle micrometer with integrated Bluetooth® technology
- Spindle feed rate 1 mm per revolution
- Measuring range up tp 100mm

Technical data	803-6025	803-6050	803-6075	803-6100
Measuring range (mm)	0-25	25-50	50-75	75-100
Max. error MPE _j (µm)	2	2	3	3
Repeatability (µm)	1	1	1	2
Type of anvils (mm)	Ø6.5			
Switchable measuring force (N)	7-10			
Functions	Preset, zero setting, setting by PC			

Measuring range up to 161mm
Linear or rotary spindle feed
Bluetooth® or cable connection
Resolution 0.001mm
Measuring face in hard metal
Customizable button



Other anvils available



SMALL INSTRUMENTS

Feeler Gage

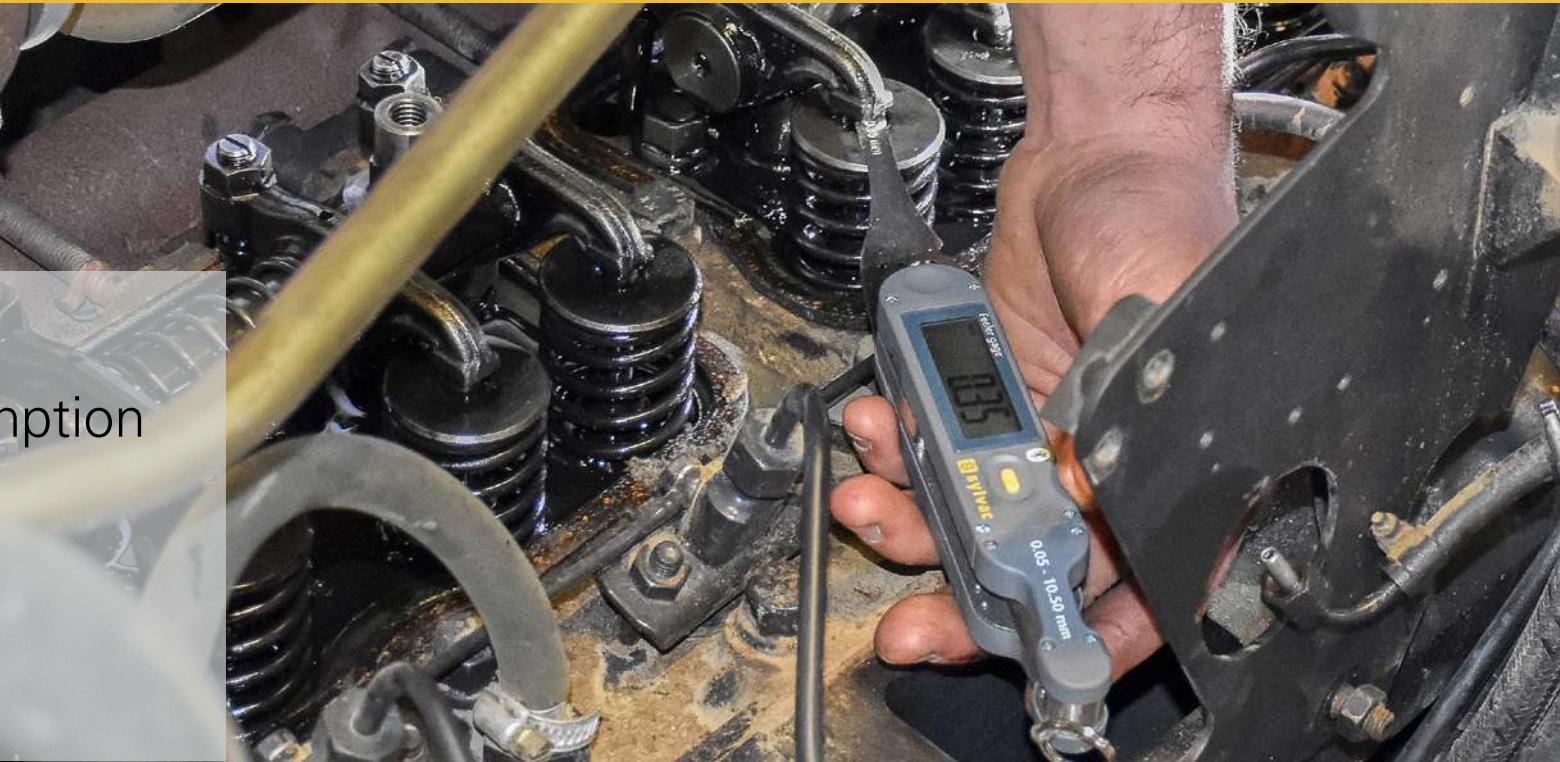


Smart

- Thickness gages with digital display of the total thickness of all feelers removed from the case
- Accuracy of feeler thickness according to DIN 2275: 2014-03 class TC1
- Display resolution 0.01 mm and .001"

Technical data	921-0100	921-0110	921-0114
Measurement capacity (mm/inch)	0.05...1.00mm	0.04...1.00mm	0.0020...0.0310in
Feelers thickness (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 feelers thickness (mm/inch)	10.5mm	6.64mm	0.157in
Number of feelers	20	19	14
Protection		IP65	

Compact instruments
Ultra-low power consumption
Bluetooth® connection
XL display
Reliability
Durability



Protractor



Smart

- Protractor with integrated Bluetooth® technology
- Housing Ø 59.5 mm rotatable by 270°
- Angular value display in : Degrees, resolution 0.01° / Degrees/minute, resolution 0°01' / Radian, resolution .0001

Technical data	820-1706
Measuring range	1x360°, 2x180°, 4x90°
Accuracy	4 minutes of arc / 0.06° / 0.0012 rad
Resolution	0.01° / 1 minute of arc (0°01') / 0.0001rad
Repeatability (°)	0.01
Max. rotation speed (°/sec)	1080
Protection	IP54
Functions	Unit (deg, rad or d-m), reference, Preset, Measurement direction, mode MIN/MAX/ DELTA, tolerance display, switch off, keypad lock

S_Screw



Smart

- Digital micrometric screws with Ø 45 mm dial rotatable by 270° allowing use in the X or Y axis
- Non-rotative spindle Ø 6.5 with hard metal tip
- Fixing by Ø 12 h6

Technical data	852-2601	852-2611
Measuring range (mm)	25	50
Resolution (mm)		0.001
Max. error (µm)	5	8
Repeatability (µm)		2
Protection		IP54
Functions	Selection of measuring selection, Preset, 4 measurement references and multiplication factor	

DIGITAL INDICATORS

S_Dial Mini



BASIC

- Smallest digital comparator available on the market, with compact Ø 45 mm non-rotating housing
- Ideal for integration into machines or various measuring fixtures
- Digital display resolution 0.01 or 0.001 mm

Technical data	805-4121	805-4521
Measuring range (mm)	12.5	
Resolution (mm)	0.01	0.001
Max. error fe (μm)	10	4
Repeatability (μm)	2	
Execution	Standard (IP54)	Standard (IP54)
Measuring range (N)	0.5 - 0.90 N	0.5 - 0.90 N
Functions	Zero setting, Preset (max. ±999.99mm), MIN/MAX/DELTA, selection of measurement direction, multiplication factor	

S_Dial Mini



SMART

- Smallest digital comparator available on the market with compact Ø 45 mm non-rotating housing and integrated Bluetooth® technology
- Ideal for integration into machines or various measuring fixtures
- Digital display resolution 0.01 or 0.001 mm with analogue scale

Technical data	805-6121	805-6123	805-6521	805-6523
Measuring range (mm)	12.5			
Resolution (mm)	0.01	0.01	0.001	0.001
Max. error fe (μm)	10	10	4	4
Repeatability (μm)	2			
Execution	Standard (IP67)	Standard (IP67)	Standard (IP67)	Standard (IP67)
Measuring range (N)	0.5 - 0.90 N	0.5 - 0.90 N	0.5 - 0.90 N	0.5 - 0.90 N
Lifting cap	✓	-	✓	-
Functions	Zero setting, Preset (max. ±999.99mm), MIN/MAX/DELTA, sel.of measurement direction, multiplication factor, resolution selection			

XXS case, Ø45mm
Bluetooth® or cable connection
Measurement range up to 12.5mm
Resolution up to 0.001mm
Standard or protected version



DIGITAL INDICATORS

S_Dial TEST



Smart

- First digital test indicator with integrated Bluetooth® technology
- Instrument for checking runout and flatness
- Compact housing Ø 45 mm rotatable by 270°

Technical data	805-4321	805-4322	805-4323
Measuring range (mm)	0.8	2.0	0.8 / 2.0
Resolution (mm)	0.001mm / .00005"		
Accuracy fe (α=0°)	3	8	3 / 8
Repeatability fw (µm)	1		
Contact points length (mm)	12.5	36.5	12.5 / 36.5
Measuring force (N)	0.15	0.06	0.15 / 0.06
Functions	Zero setting, MIN/MAX/DELTA, analog display, selection of resolution, Preset		

S_Dial WORK



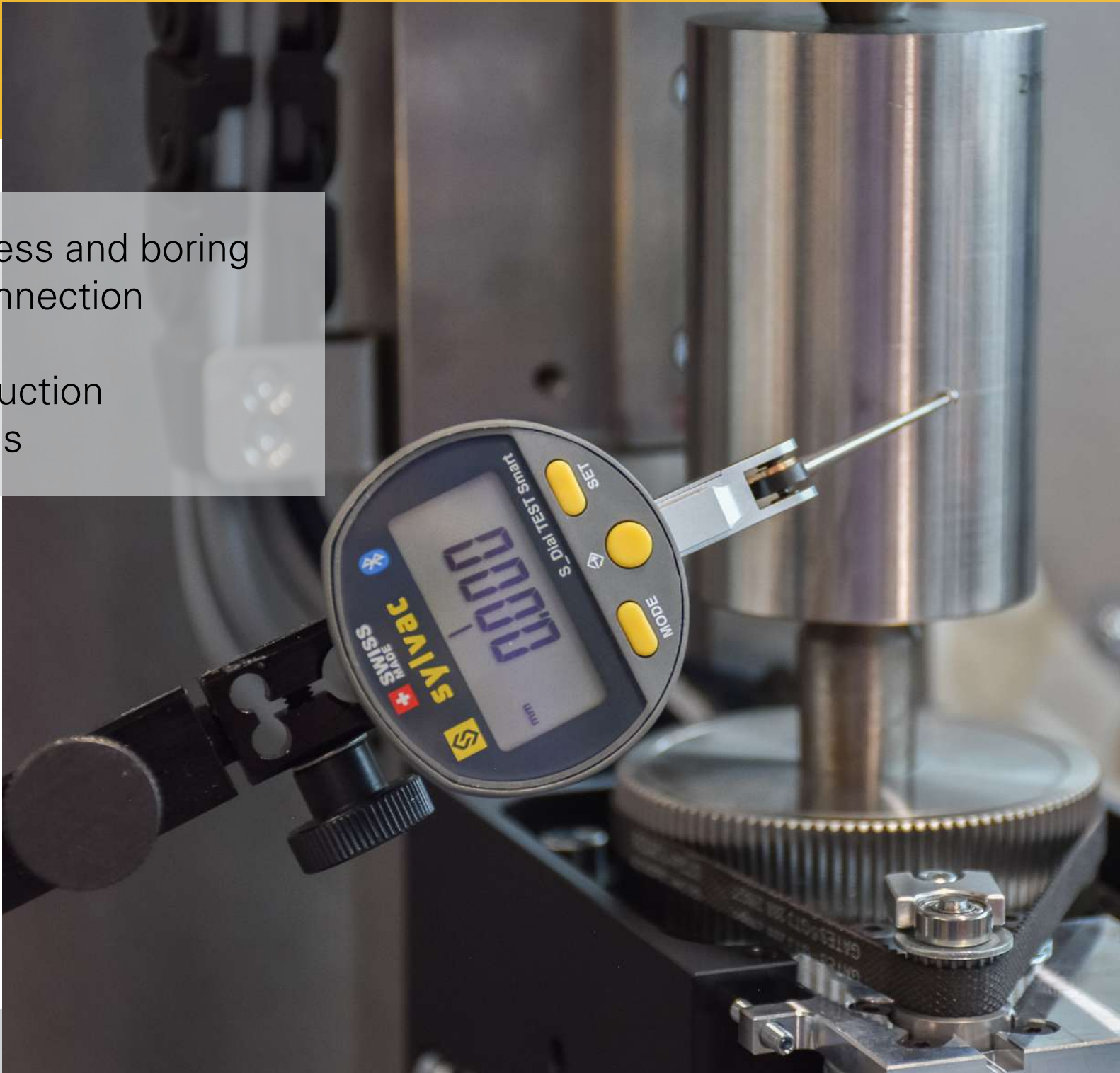
CBG

- Special version for cylindrical bore gauges
- Introduction of the Preset value on the saved Min value
- Quick measure of the reversal point

Technical data	805-6317
Measuring range (mm)	12.5
Resolution (mm)	0.001
Max. error fe (µm)	3
Repeatability (µm)	2
Protection	IP54
Functions	mm/inch, preset (max 999.999), MIN/MAX/DELTA, tolerances, resolution, automatic or manual switch off



Specialty: runout, flatness and boring
Bluetooth® or cable connection
Easy to use
Robust, durable construction
Wide range of functions



DIGITAL INDICATORS

S_Dial WORK



Advanced

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°
- Large display, resolution 0.001 mm
- Data output Proximity and Power

Technical data	805-5301	805-5501	805-5621	805-5661	805-5681
Measuring range (mm)	12.5	25	50	100	150
Resolution (mm)	0.001				
Max. error fe (µm)	3	4	5	6	10
Repeatability (µm)	2				
Protection	IP54				
Functions	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 locks				

High resolution
Bluetooth® or cable connection
Battery-free operation
Wide range of functions
270° rotatable housing
Customizable button



S_Dial WORK



Advanced Smart

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°
- Large display, resolution 0.001 mm
- Integrated Bluetooth® technology

Technical data	805-6301	805-6501	805-6621	805-6661
Measuring range (mm)	12.5	25	50	100
Resolution (mm)	0.001			
Max. error fe (µm)	3	4	5	6
Repeatability (µm)	2			
Protection	IP54			
Functions	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 locks			

S_Dial WORK



Nano & Nano Smart

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°
- Large display resolution 0.0001 mm (0.1 µm) with tolerance status indication by colour LEDs
- Integrated Bluetooth® technology and Proximity & Power (depends on model)

Technical data	805-5306	805-6306	805-5506	805-6506
Measuring range (mm)	12.5	12.5	25	25
Resolution (mm)	0.0001			
Max. error fe (µm)	1.2	1.2	1.6	1.6
Repeatability (µm)	0.3			
Protection	IP54			
Functions	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			

DIGITAL INDICATORS

S_Dial WORK



PLC

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°
- Instrument for automation and robotics
- Large display resolution 0.01 mm or 0.001 mm with tolerance status indication by colour LEDs

Technical data	805-7201	805-7301	805-7401	805-7501
Measuring range (mm)	12.5	12.5	25	25
Resolution (mm)	0.01	0.001	0.01	0.001
Max. error fe (µm)	10	4	10	5
Repeatability (µm)	2			
Protection	IP54	IP67	IP54	IP67
Functions	mm/inch, ref I/II, preset (max 999.999), min/max/delta, tolerances, resolution, measuring direction, multiplier, keylock			

S_Dial PRO



BT Smart

- Robust digital comparator with Ø 59.5 mm housing rotatable by 270°
- Measuring error less than 1.2 µm over 50 mm
- Available with a fixing diameter of 8 mm and 25 mm (depends on model)

Technical data	805-8501	805-8601	805-8602	805-8661
Measuring range (mm)	25	50	50	100
Resolution (mm)	0.0001			
Max. error fe (µm)	1.0	1.2	1.2	1.8
Repeatability (µm)	0.2			
Protection	IP51			
Fixing diameter (mm)	ø8 h6	ø8 h6	ø25 g7	ø8 h6
Functions	mm/inch, ref I/II, preset (max 99.9999), min/max/delta, tolerances, resolution, measuring direction, multiplier, automatic extinction/manual, keylock			

Specialty: automation & high precision
Bluetooth® or cable connection
Wide range of functions
Robust construction
Customizable button



BORE GAUGES

Xtreme3



XT3D and XT3H

- Unit with micrometric drum or pistol type with quick retraction handle, with data outputs Proximity and Bluetooth®
- Measuring range Ø 2 to 125 mm
- Calibration ring and certificates included with each individual instrument

Technical data	950-6011	950-6012	950-6013	950-6014	950-6015	950-6016
Measuring range (mm)	6-8	8-10	10-12.5	12.5-16	16-20	20-25
Depth (mm)	58	58	58	62	62	66
Max. error (µm)	4	4	4	4	4	4
Diameter of the ring (mm)	8.0	8.0	12.5	12.5	20.0	20.0

Technical data	950-6017	950-6018	950-6019	950-6020	950-6021	950-6022
Measuring range (mm)	25-35	35-50	50-65	65-80	80-100	100-125
Depth (mm)	66	80	80	80	100	115
Max. error (µm)	4	4	5	5	5	6
Diameter of the ring (mm)	35.0	65.0	65.0	65.0	80.0	125.0



Technical data	954-6011	954-6012	954-6013	954-6014	954-6015	954-6016
Measuring range (mm)	6-8	8-10	10-12.5	12.5-16	16-20	20-25
Depth (mm)	58	58	58	62	62	66
Max. error (µm)	4	4	4	4	4	4
Diameter of the ring (mm)	8.0	8.0	12.5	12.5	20.0	20.0

Technical data	954-6017	954-6018	954-6019	954-6020	954-6021	954-6022
Measuring range (mm)	25-35	35-50	50-65	65-80	80-100	100-125
Depth (mm)	66	80	80	80	100	115
Max. error (µm)	4	4	5	5	5	6
Diameter of the ring (mm)	35.0	65.0	65.0	65.0	80.0	125.0

Micrometric drum or pistol version
Interchangeable and customizable heads
Memorization of the value of 4 rings
Bluetooth® or cable connection
Special applications



Xtreme3



SETS XTDU

- Complete instrument sets with units, heads, rings and certificates
- Measurement range up to 100mm
- Each set comes in a wooden box containing all items

Technical data	951-7103	951-7104	951-7105	951-7106
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

BENCH TABLES

Bench tables



PS15

- Horizontal or vertical precision bench for measuring small external dimensions
- Can be equipped with either a digital digital indicator or a Sylvac measuring probe
- Delivered with hard-metal anvils Ø 1.5 mm or M2.5 (depends on model)

Technical data	808-1215	808-1216	808-1218
Type	PS15BH	PS15BV	PS15BV+
Measuring direction	Horizontal	Vertical	Vertical
Measuring range (mm)	10	10	10
Adjustable measuring force (N)		0.3 - 1.0	
Anvils fixation	Ø1.5	M2.5	Ø1.5
Weight (kg)		1.8	
Cary compatibility	✓	✓	✓

Bench tables



PS16 V2

- Precision horizontal measuring bench with integrated Bluetooth® technology
- Large display, resolution 0.0001mm
- Compatible with Sylvac Ø 1.5 mm and Cary type anvils

Technical data	808-1231	808-1232
Measuring range (mm)	25	50
Max. error (µm)	1.5	2.0
Repeatability (µm)	0.2	0.2
Anvils fixation	Ø1.5	
Measuring force	0.1 - 0.6 (±20%)	
Weight (kg)	3.6	4.2
Cary compatibility	✓	✓

Measurement of small dimensions
High precision
Wide choice of accessories and buttons
Robust construction



Other models, anvils and accessories available

HEIGHT GAUGES

Height gauges



Hi_Cal V2 Smart

- 1D workshop measuring columns with integrated Bluetooth® technology and battery
- Perfectly suited for the rapid measurement of heights, depths, thicknesses, internal and external diameters, centre-to-centre distances, etc.
- Fixed key holder system with interchangeable Ø 3 mm ruby ball button

Technical data	830-0156	830-0306
Measuring range (mm)	150	300
Max. error (µm)	2.0 + L / 200	
Repeatability (µm)	1	
Resolution (mm)	0.01 / 0.001 / 0.0005	
Measuring force (N)	0.25 - 0.35	
Autonomy of the battery (h)	< 40	
Functions	Zero setting, MIN/MAX/DELTA, Preset, 2 references, progressive speed	

Height gauges



Z5

- 1D workshop measuring column with Trimos technology
- Perfectly suited for the rapid measurement of heights, depths, thicknesses, internal and external diameters, centre-to-centre distances, etc.
- Revolutionary crank handle offering the user the choice of manual or motorised carriage movement (version 700mm)

Technical data	936-0400	936-0700
Measuring range (mm)	407	711
Max. error B _{MPE} (µm)	2.5 + L / 300	
Repeatability R _{MPE} (2S) (µm)	2	
Max. resolution (mm/s)	0.0001	
Measuring force (N)	0.75 ÷ 1.5	
Autonomy of the battery (h)	12	
Motorised displacement	✓	
Functions	Zero setting, MIN/MAX/DELTA, Preset, 2 references, simultaneous display of diameters and centerlines	

Bluetooth® connection
Manual or motorised displacement
Durability and reliability
Operator-independent measurements



Bluetooth® module for Z5 column
981-7200



RS 232 cable for D400S, D70S,
D62S, Hi_Cal and M-BUS
modules (except RS)
(925-5609)

DISPLAY UNITS

Display units



D400S

- Multifunctional unit for connecting up to 99 Sylvac instruments (or various brands) via M-BUS modules
- Ideal for multi-dimensional control stations and automation applications
- Large 7" colour touch screen

Technical data	804-2400
Overall dimensions (mm)	200x143x151.6
Weight (kg)	1.3
Case	Aluminium
Protection	IP65 (front face)
Data output	USB / RS232

Accessories for D400S



804-2210
Mounting kit for M-Bus on D400S



804-2202
Pannel mounting



904-4103
Trigger button for display units



904-4101
Footpedal for display units

Multi-brand compatibility and multiple inputs
Versatile touchscreen interface
Connection of up to 99 instruments via M-Bus
Display of up to 32 simultaneous channels
Powerful functions and protocols
Robust construction



Cable to connect D70A
and D400S to MB-RO
module (804-2211)



RS 232 cable for D400S, D70S,
D62S, Hi_Cal and M-BUS
modules (except RS)
(925-5609)

M-BUS MODULES

Multiplexors



MB-8i

M-Bus

- Interfacing modules for connecting Sylvac instruments (handtools and probes) as well as instruments of other brands to the D300S and D400S units, to a computer (Sylcom Advanced and Pro) or to a PLC
- RS485 data output

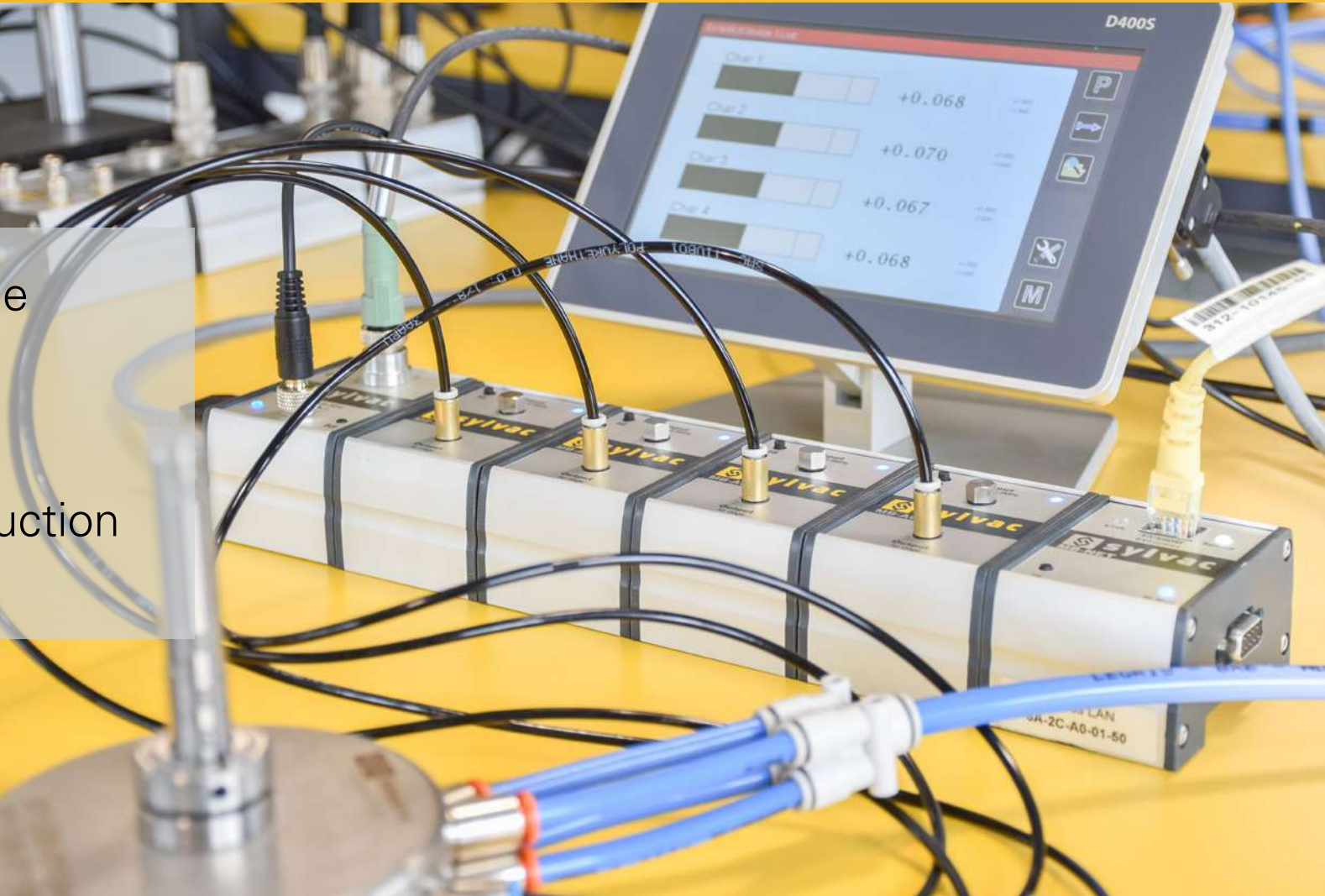
Technical data	804-2105	804-2107	804-2108	804-2111	804-2114	804-2130
Model	MB-4P	FMB-4i <i>(fast version)</i>	MB-8i	MB-1D	MB-4D	MB-I/O
Instruments type	Probes P12D	Inductive probes		Digimatic		PLC I/O
Compatibility	D400S & D70	D400S & D70	D400S	D400S	D400S	D400S & D70
Dimensions (L x h x w, mm)	107x42x74	107x39x74	131x44x74	52x39x74	107x39x74	82x39x74
Inputs	4	4	8	1	4	8
Output data	RS485					

Technical data	804-2132	804-2133	804-2160	804-2170	804-2180	804-2190
Model	MB-NET	MB-RO	MB-RS	MB-TP	MB-BT	MB-AG
Instruments type	Ethernet connector for server upload	Relay output	Computer	Temperature sensor input PT100 and Thermocouple	Instruments with Bluetooth® technology	Plug and air gauges
Compatibility	D400S & D70		Computer	D400S & D70		
Dimensions (L x h x w, mm)	52x64x74	52x64x74	82x39x74	52x51x74	52x39x74	52x64x74
Inputs	1	1	254	1 / 1	8	1
Output data	RS485					

Various models available
Advanced functions
RS485 protocol
Easy installation
Robust, durable construction
Aluminum profile



RS 232 cable for D400S, D70S,
D62S, Hi_Cal and M-BUS
modules (except RS)
(925-5609)



MB-4P



MB-4i



MB-4D



MB-IO



MB-NET



MB-RO



MB-RS



MB-TP



MB-BT



MB-AG

DISPLAY UNITS AND PROBES

Display units



D62S & D62S Advanced

- Table display unit for absolute digital probe P12D and P25D
- Shockproof construction
- Large 4.3" colour touch screen with intuitive functions

Technical data	804-1062	804-1063 
Model	D62S Standard	D62S Advanced
Inputs	2x M8 for Sylvac absolute digital probes	
Resolution (µm)	0.01	
Max. error and repeatability (µm)	Depends on probe	
Data output	USB (device) / RS232	Bluetooth® wireless technology / USB (device) / RS232
Additional functions	Global tolerance indicator, battery, time and date display	

Modern, compact design
Intuitive touchscreen
Shock-resistant construction
High resolution
Mobile solution
Wide choice of functions



Probes



P12D

- High-precision digital measuring probes with patented measuring system and direct output
- Absolute system with integrated electronic error correction (no more pairing with the unit or computer)
- Stainless steel body Ø 12 mm, fixing diameter 8 h6

Technical data	801-1012	801-1018	801-1212	801-1218	801-0012	801-0212	801-0412
Type of resolution	High resolution					Standard	
Force (N)	0.2 - 0.3	0.08	0.2 - 0.3	0.08	0.4 - 0.8	0.4 - 0.8	0.4 - 0.8
Measuring range (mm)	12.7						
Resolution (µm)	0.01				0.1		
Max. error (µm)	0.6				1.8		
Repeatability (µm)	0.08				0.2		
Nb measures/s	100						
Data output	USB		M8		USB	M8	OPEN

Probes



P25D

- High-precision digital measuring probes with patented measuring system and direct output
- Absolute system with integrated electronic error correction (no more pairing with the unit or computer)
- Stainless steel body Ø 15.5 mm, fixing diameter 8 h6

Technical data	801-1225	801-1228	801-1229	801-1235	801-1238
Type of resolution	High resolution				
Force (N)	0.7 - 1.3			0.15	
Measuring range (mm)	25.4				
Resolution (µm)	0.01				
Max. error (µm)	0.8				
Repeatability (µm)	0.1				
Nb measures/s	100				
Data output	M8	USB	OPEN	M8	USB

DISPLAY UNITS AND PROBES

Display units



D70I

- Compact display units for measuring inductives measuring probes
- Large 4.3" colour touch screen with intuitive functions
- Resolution up to 0.0001 mm (0.1 µm)

Technical data	804-2071
Model	D70I
Inputs	Sylvac Inductive probes or Tesa compatible
Overall dimensions (mm)	140x105x111
Protection	IP40
Data output	USB / RS232 (1x1)

Probes



P2i, P2iP, P5i, P5iP

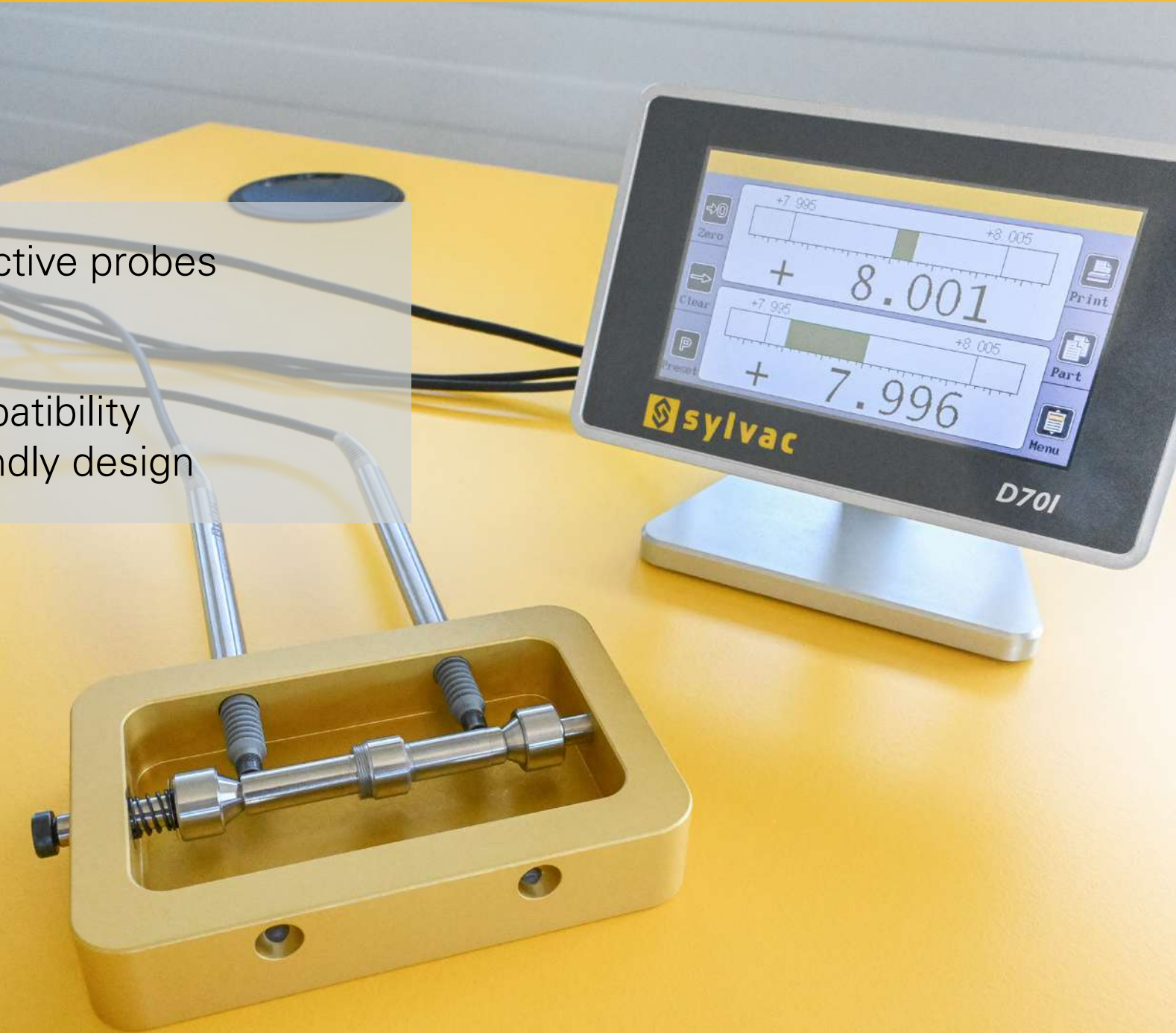
- Inductive pencil-type measuring probes with stainless steel body Ø 8 h6 over the entire length
- Particularly suitable for comparison measurements due to their excellent repeatability (0.15 µm) and resolution up to 0.1 µm
- Available in 2 versions : spring or pneumatic push

Technical data	900-1101	900-1102	900-1111	900-1112
Travel (mm)	±2	±2	±5	±5
Pre-travel (mm)	0.15	0.8	0.15	0.3
Post-travel (mm)	1.35	1.2	0.85	0.7
Standard force ±20% (N)	0.7	0.7 / 0.4 bar - 2.6 / 1 bar	0.7	0.7 / 0.4 bar - 2.6 / 1 bar
Repeatability (µm)	0.15			
Moving mass (g)	3.4		3.7	
Accuracy of reading (%)	0.5			
Protection	IP65			

Version for Sylvac inductive probes
Powered by USB cable
High resolution
Data transfer and compatibility
Robust, workshop-friendly design



M8-RS485 cable for D70 units (except D70S) and M-BUS modules (804-2205)



DISPLAY UNITS, AIR MEASUREMENT

Display units



D70A

- Compact display units for air measurement
- Large 4.3" colour touch screen with intuitive functions
- Display resolution up to 0.00001 mm (0.01 µm)

Technical data	804-2074	804-2075
Model	D70I	
Inputs	Plug gages and air gages	
Overall dimensions (mm)	140x105x111	
Protection	IP40	
Data output	USB / RS232 (1x1)	

Accessories for air measurement



804-2203
Air preparation kit



804-2212
Air preparation kit,
with energy saving



804-2213
Air preparation kit,
pneumatic probe lifting

Designed for air and plug gauges
Touch screen
Versatile input options
High resolution
Robust, shop-floor design



Cable to connect D70A
and D400S to MB-RO
module (804-2211)



M8-RS485 cable for D70
units (except D70S) and
M-BUS modules
(804-2205)



OPTICAL MACHINES

Sylvac-SCAN



S25, S25T

- Vertical optical measuring machine for static and dynamic measurement of various elements on small cylindrical parts
- Delivered complete with a PC and the Reflex SCAN+ software, which allows a multitude of characteristics to be measured easily and intuitively
- Machines specially designed to measure threads such as, parallel, trapezoidal, conical, round, square, conical, worms, ball screws, bone screws, dental implants, etc.

Technical data	902-4020, S25		902-4025, S25T	
Type of measurement	Diameter	Length	Diameter	Length
Measuring range (mm)	26	200	26	200
Resolution up tp (mm)	0.0001			
Max. error (µm)	0.9 +(D[mm]/100) µm	2.5 +(L[mm]/200) µm	0.9 +(D[mm]/100) µm	2.5 +(L[mm]/200) µm
Repeatability 2σ	0.5	0.8	0.5	0.8
Holding capacity (mm)	51	200	51	200
Tilting for thread measurement	-		✓ 30°	
Max. weighth of part (kg)	3			

Sylvac-SCAN



F60, F60T

- Vertical optical measuring machines for static or dynamic measurement of various elements on cylindrical workpieces
- Delivered complete with a PC and the Reflex SCAN+ software, which allows a multitude of characteristics to be measured easily and intuitively
- The machine can be operated with the sliding door closed or open, with a light barrier automatically stopping the machine in case of intrusion

Technical data	902-4060, F60		902-4065, F60T	
Type of measurement	Diameter	Length	Diameter	Length
Measuring range (mm)	64	300	64	300
Resolution up tp (mm)	0.0001			
Max. error (µm)	1 + (D[mm]/100) µm	3 + (L[mm]/200) µm	1 + (D[mm]/100) µm	3 + (L[mm]/200) µm
Repeatability 2σ	0.5	1.8	0.5	1.8
Holding capacity (mm)	120	315	120	315
Tilting for thread measurement	-		✓ 30°	
Max. weight of part (kg)	10			

Static and dynamic measurement
For cylindrical parts
High precision
Automation ready
Easy to use
Very short ROI



OPTICAL MACHINES

Sylvac-SCAN



F60L, F60LT

- Optical machine similar to the F60, but in a long version, allowing measurements up to 500mm long and 64mm in diameter
- With or without tilt
- «Automation ready» option on request

Technical data	902-4062, F60L		902-4067, F60LT	
Type of measurement	Diameter	Length	Diameter	Length
Measuring range (mm)	26	500	26	500
Resolution up tp (mm)	0.0001			
Max. error (µm)	1 + (D[mm]/100) µm	3 + (L[mm]/200) µm	1 + (D[mm]/100) µm	3 + (L[mm]/200) µm
Repeatability 2σ	0.5	1.8	0.5	1.8
Holding capacity (mm)	120	500	120	500
Tilting for thread measurement	-		✓ 30°	
Max. weight of part (kg)	10			

Sylvac-SCAN



S145, S145L, S145XL

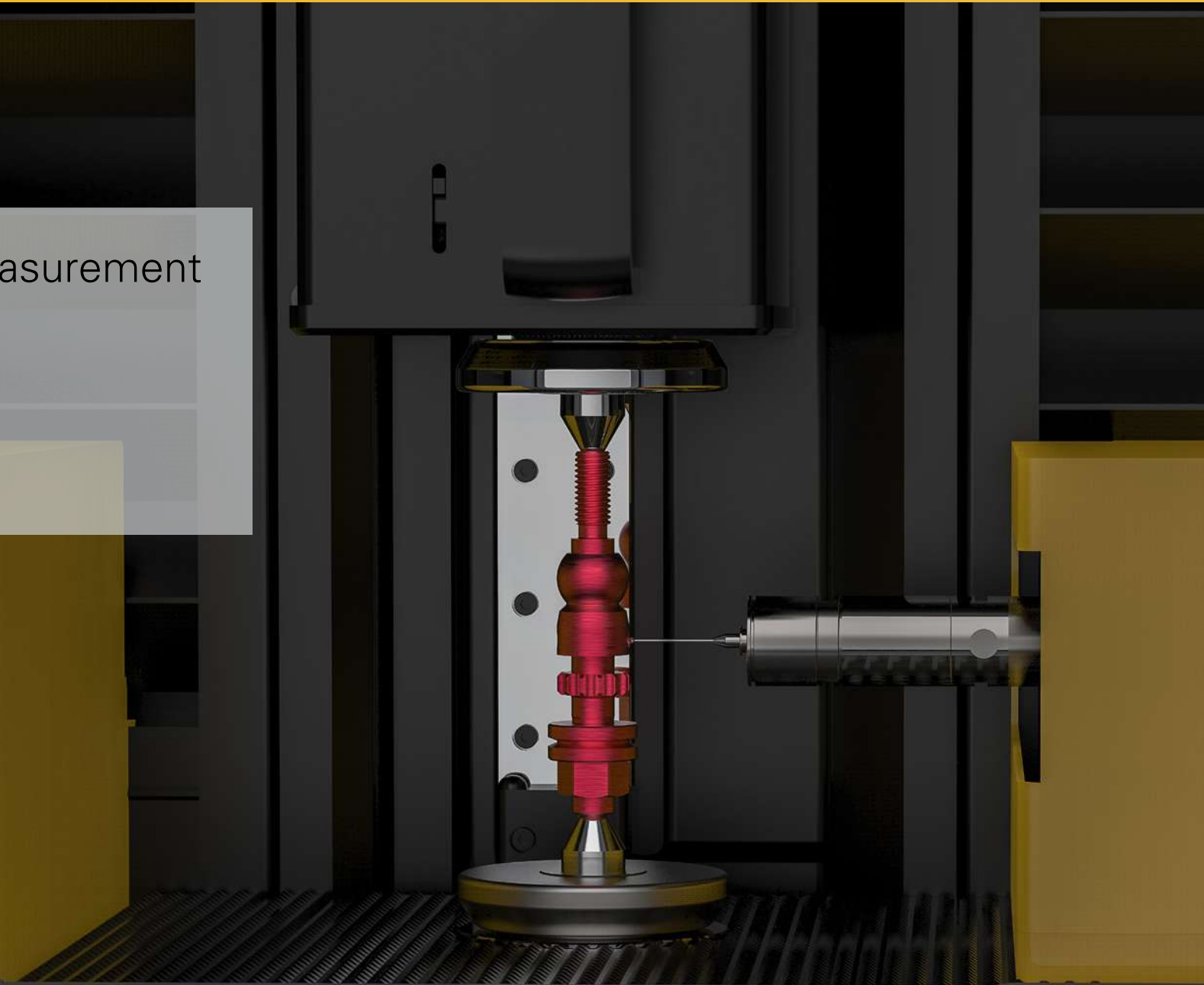
- High-capacity optical measuring machines for static and dynamic measurement of various elements on cylindrical parts
- Attractive design and sturdy construction with many new features such as bi-telecentric optical system
- Delivered complete with a PC and the Reflex SCAN+ software, which allows a multitude of elements to be measured easily and intuitively
- 3D-probe option available

Technical data	902-4145, S145		902-4147, S145L		902-4148, S145XL	
Type of measurement	Diameter	Length	Diameter	Length	Diameter	Length
Measuring range (mm)	145	615	145	1280	145	1800
Resolution up tp (mm)	0.0001					
Max. error (µm)	1.5 + (D[mm]/100) µm	4 + (L[mm]/200) µm	1.5 + (D[mm]/100) µm	4 + (L[mm]/200) µm	1.5 + (D[mm]/100) µm	4 + (L[mm]/200) µm
Repeatability 2σ	0.5	1.0	0.5	1.0	0.5	1.0
Holding capacity (mm)	254	615	254	1280	254	1800
Max. weight of part (kg)	100					

Static and dynamic measurement
High precision
Automation ready
Easy to use
Very short ROI



Special version of SCAN S145 with
Renishaw 3D probe to measure
features hidden by optics, such as
runout or slots.



VISION OPTICAL MACHINES

Sylvac-VISIO



200 V3

- High quality ergonomic 2.5D optical (video) measuring system
- Full HD camera with wide field of view for increased accuracy
- Three lighting available : ring, coaxial and diascopic lights

Technical data	902-2210	902-2211
Measurement volume (mm)	200x100x150	
X, Y accuracy (E ₁ , X, Y) (µm)	1.9 + 10L/1000 (L = mm)	
XY accuracy (E ₂ , XY) (µm)	2.4 + 10L/1000 (L = mm)	
Z accuracy (E ₁ , Z) (µm)	2.9 + 10L/1000 (L = mm)	
Resolution (mm)	0.001	
Max. weight of part (kg)	10	
Zoom	Manual 4x	Motorised 6x
Magnification (screen 23.8")	24x - 144x (12x - 288x with additional lenses)	

Sylvac-VISIO



300 V3

- Measurement volume 300x200x150mm
- Motorised zoom 6x
- Extremely robust and durable construction with granite base and gooseneck

Technical data	902-2310
Measurement volume (mm)	300x200x150
X, Y accuracy (E ₁ , X, Y) (µm)	1.9 + 4L/1000 (L = mm)
XY accuracy (E ₂ , XY) (µm)	2.4 + 4L/1000 (L = mm)
Z accuracy (E ₁ , Z) (µm)	2.9 + 10L/1000 (L = mm)
Resolution (mm)	0.001
Max. weight of part (kg)	10
Zoom	Motorised 6x
Magnification (screen 23.8")	24x - 144x (12x - 288x with additional lenses)

Precision and versatility
Robust construction
Manual or motorised zoom
Optimum visibility
Advanced software with CAD comparison
Measurement range up to 300mm



Accessories

Plastiform® products set for SCAN and VISIO machines

- Suitcase with standard products for inspection via 3D impressions
- Non-destructive testing
- For inaccessible surfaces, large parts, parts that cannot be dismantled, etc.



Technical data	920-6006
Demo kit contents	1 manual dispensing gun (928-1001) 1 twin blade cutter 60mmx1mm (928-1009) 1 cutting guide for cutter (928-1010), 50 standard mixer injectors 10 standard white nozzle tips 21 rings for mold removal (928-1008) 1 platin 250g (928-1201), 1 degreaser DN1 400ml (928-1205) 1 Re-form bag (SRF) 50g (928-4001) 2 cartridges SRL2 (928-2001) 2 cartridges SRL5 (928-2101) 2 cartridges SRC3 (928-210) 1 cartridge SRL8 (928-2105) 1 tube SRD7 2x45ml (928-7006)

SOFTWARES

Software



Sylcom

- Manufacturing data acquisition and analysis software, via Bluetooth® or cable
- Depending on version, you can create control plans, connect M-BUS, generate statistics, export SPC, monitor or connect up to 500 Bluetooth® instruments via «on the fly» mode



Download Sylcom

Basic functions

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

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)



Vmux 2

- Vmux is a virtual multiplexer that makes it easy to connect Sylvac instruments of all types (USB, Bluetooth®, RS 232) and transfer data to third-party software : QM/QC, COM Port (ERP), Excel, etc.)

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

Availability July 2024



Download Vmux

Vmux LITE

FREE VERSION

- Basic functions

www.sylvac.ch/vmux

Vmux 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 Pro

- Includes all Standard functions

+ PRO FUNCTIONS

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

www.sylvac.ch/vmux



Proximity-USB cable
(926-6721)



Power-USB cable
(926-6821)



Bluetooth® dongle
(981-7100)



Bluetooth® 5 dongle
(981-7102)



Bluetooth® footpedal
(926-7022)



SYLVAC ANYWHERE

The free app for precision
always at hand.



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