Sylvac S_View D50S and D50S PRO

Ease of use and compatibility with the Sylvac range of long travel transducers have made the D50S a universal instrument for either the workshop or laboratory.

Swiss Precision

WiFi see p249 for wireless options

RS232

Features

- Easy to use
- 1 button = 1 function
- 2 Sylvac probe inputs
- Modes Absolute / Relative
- 1 configurable foot switch
- Resolution upto 0.0001mm
- RS-232 output

- Bright LED display
- Direct display:
  channel 1
  channel 2
  channel 1 + channel 2
  channel 1 - channel 2
- Mains power only
- Correction of linearity on both channels (D50S PRO only)

SYLVAC D50S DIGITAL INDICATOR UNITS

Code No	Description
30-804-1050	D50S digital readout 0.001 / 0.0001mm Res.
30-804-1060	D50S Pro digital readout 0.001 / 0.00001mm Res. (with correction factors on both channels)
30-904-4101	Foot pedal
30-925-5608	RS232 connecting cable

Sylvac S_View D70S

The new Sylvac D70S has 2 probe inputs that provide multiple probe combination, high resolution touch screen operation and the option of a simple user display or double display with an additional analogue bar-graph.

Features

- Touch screen display
- For Sylvac capacitive probes
- 2 probe inputs
- Display resolution selectable up to 0.0001mm
- Simple or double display with bargraph or needle
- Different possibilities of probe's combination: (C1, C2, C1-C2...)
- Direct measurement or Min, Max, Average, Max-Min...
- User friendly interface
- Very robust construction
- USB connection for transfer of data
- Powered by the computer when connected by USB cable

SYLVAC S_VIEW D70S DIGITAL INDICATOR UNIT

Code No	Description
30-804-2070	D70S digital readout 0.0001mm resolution
30-904-4101	Foot pedal

Sylvac S_View D80S

RS232

The advanced D80S is capable of undertaking numerous common and advanced measuring procedures with ease. Its user-friendly characteristics and clear digital display make it useful for processing and displaying readings from a Sylvac transducer probe.

Features

- Display unit with 8 analogue channels
- CCFL graphic display with backlight
- Resolution upto 0.0001mm
- Tolerance indicator
- Input for Sylvac probe P5 to P50
- RS-232 input/output
- Analogue aand Opto-coupled output (command signal)
- Mains power only

SYLVAC S_VIEW D80S DIGITAL INDICATOR UNIT

Code No	Description
30-804-1080	D80S digital readout unit
30-904-4101	Foot pedal
30-925-5608	RS232 connecting cable

BOWERS GROUP

Sylvac S_View D300S V2 Digital Display

The new D300s V2 digital display from Swiss Metrology manufacturer, Sylvac is able to display the absolute displacement position of Sylvac's extremely accurate capacitive and Inductive transducer probes, to a resolution of 0.1um, as well as now being capable of connecting probes and instruments from other manufacturers due to the introduction of the new M-Bus input. The D300S has a highly visible 8.5" LCD touch screen digital display and is capable of accepting readings from up to 64 instruments via USB, RS232 and various other types of transducer probes from multiple manufacturers at the same time. The D300S can memorise previously input configurations and values and can recall both individual or group preset values. Each of the D300s' 64 channels has a separate maths function, whilst all of the channels have switchable numeric / analogue and statistical displays.

Swiss Precision

WiFi
see p249 for wireless options

RS232

Features

- Digital display with 8.5" touch screen IP65 Rated
- 6 USB inputs for Sylvac instruments
- Optional embedded inputs for Sylvac probe, 2, 4 or None
- Capability to connect transducers and instruments from other manufacturers using M-Bus
- Automatic detection of connected instruments
- Maths functions for each channel
- Switchable and configurable interface / display
- Compatible with Bluetooth instruments (USB Dongle required)
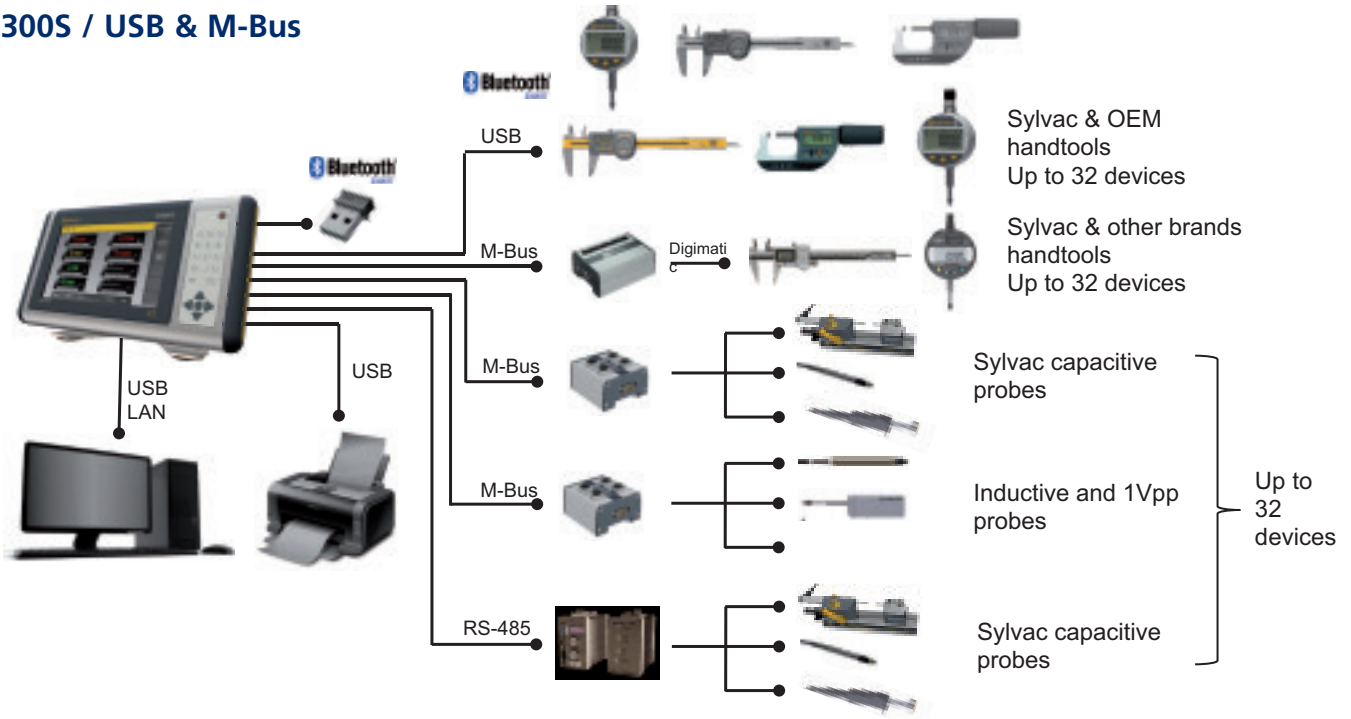
TECHNICAL SPECIFICATIONS

	30-804-1310	30-804-1300	30-804-1320
Embedded probe inputs	0	2	4
Probes types	Capa / ind / inc	Capa	Capa
Max probe inputs*	32	32	32
RS232 in / out	1	1	1
RS485 in	1	1	1
M-BUS	1	-	-
USB out	1	1	1
USB in	6 (up to 32*)	6 (up to 32*)	6 (up to 32*)
RJ45 / LAN	Yes	Yes	Yes
Footpedal plug	Binder (2x)	Binder (2x)	Binder (2x)
RS232 cable*	1:1	1:1	1:1
I/O optocoupled	Yes	Yes	Yes
Display mode	Digital & Analogue	Digital & Analogue	Digital & Analogue
Meas. / sec / input at 0.1μm	up to 500	20	20
Data via USB	Yes**	Yes**	Yes**

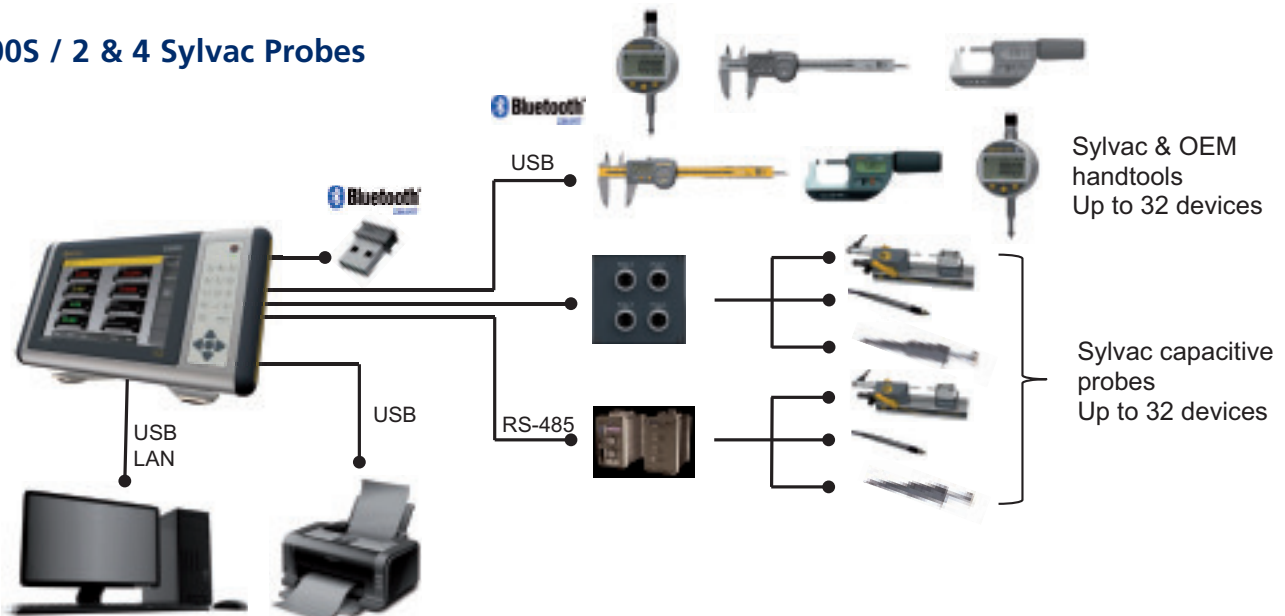*With ext. modules **Virtual COM port

Sylvac S_View D300S V2 Digital Display

D300S / USB & M-Bus

Bluetooth

USB — Sylvac & OEM handtools Up to 32 devices

M-Bus — Digimatic — Sylvac & other brands handtools Up to 32 devices

M-Bus — Sylvac capacitive probes

M-Bus — Inductive and 1Vpp probes

Up to 32 devices

RS-485 — Sylvac capacitive probes

USB LAN

USB

D300S / 2 & 4 Sylvac Probes

Bluetooth

USB — Sylvac & OEM handtools Up to 32 devices

Sylvac capacitive probes Up to 32 devices

RS-485

USB LAN

USB

SYLVAC D300S		
Code No	Description	Output
30-804-1300	D300S Display Unit 2 Probes 6USB	USB / RS232 Output / LAN
30-804-1310	D300S Display Unit MBUS 6USB	USB / RS232 Output / LAN
30-804-1320	D300S Display Unit 4 Probes 6USB	USB / RS232 Output / LAN

Sylvac S_View D200S Digital Indicator Unit

The Sylvac S_View D200S is a computer based unit with extra speed for dynamic measurement and versatility.

Swiss Precision

WiFi see p249 for wireless options

RS232

Features

- Multiplexer with 8 inputs for Sylvac probes P2 to P50
- Dynamic measurement (200 measurements/sec)
- Ideal for the layout conception of multi-gauging
- Possibility of pneumatic lifting of the probes
- Software allowing the reading of up to 24 channels simultaneously (bar graph)
- Sending of the measured values in Excel, notepad or specific file
- Create sequences of sending data
- Grouped or individual PRESET
- Mathematic combinations between channels
- Unit usable in an autonomous way

TECHNICAL SPECIFICATION

Frequency of measurement	200 values/second
Case	Aluminium profile, Terlend plastic, ABS and aluminium varnished
Protection rating according to IEC 60529	IP50
Programmable by PC	Yes

SYLVAC D200S

Code No	Description	Size	Weight	Output
30-804-2101	D200S Multiplexer with Software	304 x 171 x 61mm	1.2kg	USB / RS232 Output
30-904-4101	Foot pedal			

Sylvac S_View D400S Digital Display

Features

- Digital multifunctional unit with 7'' touch screen display
- Multi-brands compatible through M-BUS multiplexers (possibility to mix the transducer brands)
- Designed for multigauging applications
- Up to 99 input (probes, instruments, I/O) through M-BUS multiplexers
- Automatic detection of connected instruments
- Storage of up to 128 different parts configurations
- Up to 30,000 measurements can be saved by configuration
- Display of up to 32 channels simultaneously (on the same screen)
- Single or multi-gauging display mode
- SPC functions (run chart, pareto, histogram with Gaussian curve, etc.)
- PLC functions and PLC communication protocols
- Formula editor, free combination between all instruments connected to the M-BUS
- Configurable by PC
- Ethernet connection
- Footpedal input
- User friendly interface
- Very robust construction

SYLVAC D400S

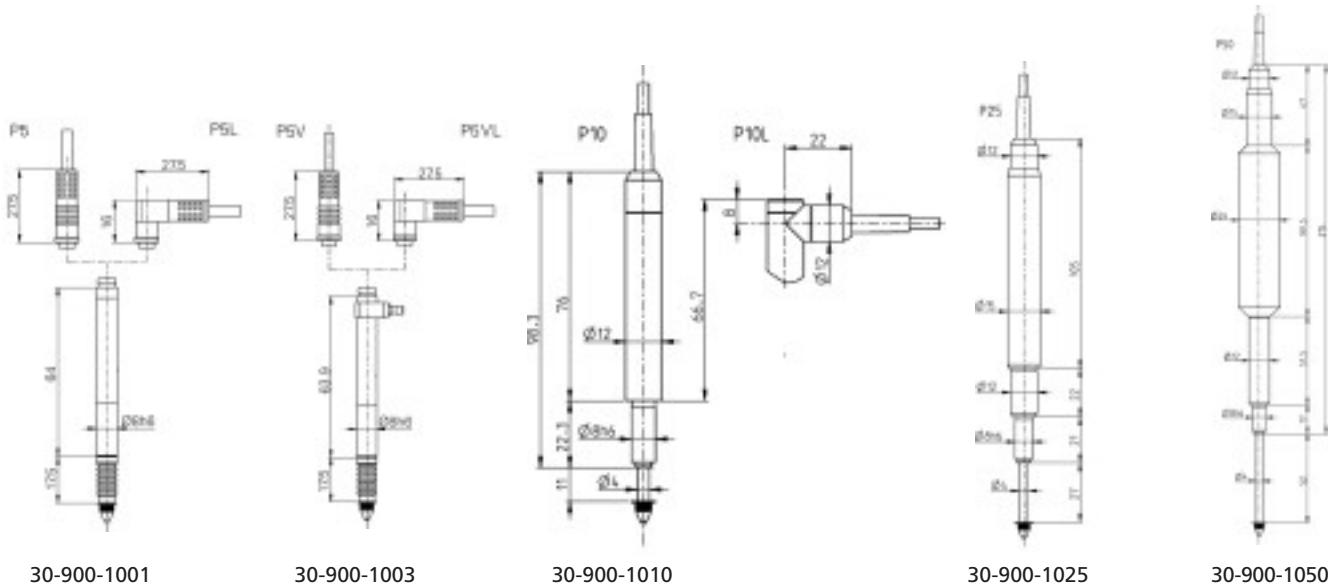| Code No	Description
30-804-2400	D400S Display Unit

Transducer Probes

Sylvac long travel probes have built-in capacitive transducers which allow them to function for both absolute and comparative measurements. The Sylvac capacitive probes can be used with all Sylvac digital display units.

The Sylvac inductive (PXi) probes can be used with the Sylvac D300s V2 MBUS.

Swiss Precision

| 30-900-1001 | 30-900-1003 | 30-900-1010 | 30-900-1025 | 30-900-1050 |

TRANSDUCER PROBES

Code No	Description
30-900-1050	Sylvac P50 Transducer Probe
30-900-1025	Sylvac P25 Transducer Probe
30-900-1010	Sylvac P10 Transducer Probe
30-900-1014	Sylvac P10L Transducer Probe
30-900-1001	Sylvac P5 Transducer Probe
30-900-1006	Sylvac P5L Transducer Probe
30-900-1001B	Sylvac P5BL Transducer Probe
30-900-1003	Sylvac P5V Transducer Probe
30-900-1008	Sylvac P5VL Transducer Probe
30-900-1003B	Sylvac P5BVL Transducer Probe

PXI INDUCTIVE PROBES

Code No	Description
30-900-1101	Sylvac P2i Inductive Probe - Spring Force
30-900-1102P	Sylvac P2i Inductive Probe - Pneumatic Force
30-900-1111	Sylvac P5i Inductive Probe - Spring Force
30-900-1112P	Sylvac P5i Inductive Probe - Pneumatic Force

CAPACITIVE TRANSDUCER PROBE SPECIFICATIONS

	P5, P5L & P5V Probes	P10 & P10L Probes	P25 Probe	P50 Probe	P2i & P2iP Probes	P5i & P5iP Probes
Linear measuring range	5mm / 0.2"	10mm / 0.4"	25mm / 1"	50mm / 2"	+/-2mm / 0.08"	+/-5mm / 0.2"
Maximum error	2µm / 0.00008"	1µm / 0.00004"	1.5µm / 0.00006"	4µm / 0.00016"	2µm / 0.00008"	5µm / 0.0002"
Measuring force	0.45-0.65 N	0.6-0.9 N	0.6-1.2 N	0.6-1.4 N		
Increase of measuring force	0.04N/mm	0.03 N/mm	0.024 N/mm	0.016N/mm		
Repeatability	0.2µm / 0.000008"	0.1µm / 0.000004"	0.01µm / 0.000004"	0.2µm / 0.000008"	0.15µm / 0.000006"	0.15µm / 0.000006"
Zero drift	0.0001mm/1/4C	0.0001mm/1/4C	0.0001mm/1/4C	0.0001mm/1/4C		
Temperature range	0-501/4	0-701/4	0-701/4C	0-701/4C		

'V' denotes vacuum retraction probe, 'B' denotes ball bearing, 'L' denotes side entry cable, 'P' denotes pneumatic.

BOWERS GROUP

Multiplexers

A wide range of flexible Sylvac Multiplexers are available to enable the connection of multiple transfer probes (up to 64) or instruments containing an Opto RS232 output to the Sylvac range of digital display units. Plus other types of digital instruments.
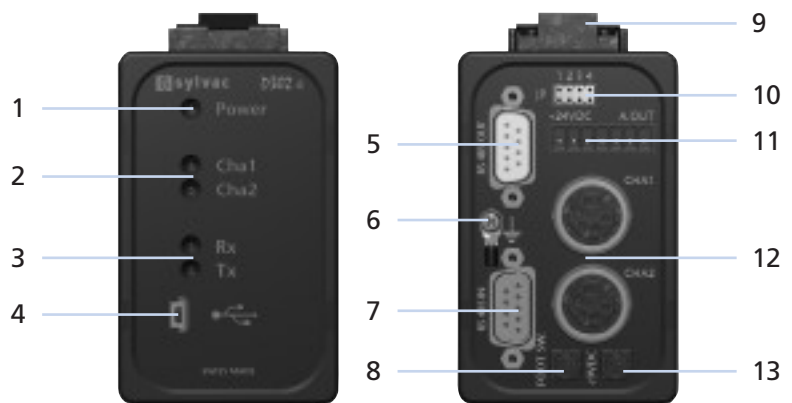
Swiss Precision

Features

- Multiplexing unit with 2 or 4 inputs for Sylvac probes P2 to P50
- Dynamic measurement (10 - 20 meas./Sec. according to resolution)
- Perfect solution for multi-gauging system
- Analogue output for PC connection
- Standalone use possible
- Programmable by PC
- Protection rating: IP40

MULTIPLEXERS - KEY

1	LED Power
2	LEDS channel
3	LED RS 485 activity
4	USB port for PC connection
5	RS 485 output
6	Ground connector
7	RS 485 input
8	External connecter
9	Standard clamping (DIN 35mm)
10	Jumpers
11	Analogic output/24 VDC (only version a)
12	Probes input
13	9V power supply input

MULTIPLEXERS

Code No	Description
30-804-1302	D302 Multiplexer Unit
30-804-1303	D302 Multiplexer Unit with Analogue Output
30-804-1304	D304 Multiplexer Unit
30-804-1305	D304 Multiplexer Unit with Analogue Output

M-Bus Multiplexers

Features

- Muliplexer units allowing to connect different kind and brands of instruments to the D300S V2 and D400S display units
- Possibility to connect and mix different brands together
- RS485 based protocol
- The different units can be mounted on a DIN rail
- Robust construction

30-804-2104

30-804-2108

M-BUS MULTIPLEXERS

Code No	Description
30-804-2102	M-Bus 2C Multiplexer Unit
30-804-2104	M-Bus 4C Multiplexer Unit
30-804-2108	M-Bus 8i Inductive Multiplexer Unit
30-804-2114	M-Bus 4D Digimatic Multiplexer Unit
30-804-2118	M-Bus 8D Digimatic Multiplexer Unit
30-804-2122	M-Bus 2S Heidenhain Multiplexer Unit