S_Probe P12D
USB

+ SWISS MADE

CE ⌧ ♻ ⊖ ● **IP54**

Changes without prior notice
Sous réserve de toute modification
Änderungen vorbehalten

wwww.sylvac.ch

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Quickstart guide

Specifications

Specifications	801.1012	801.1018	801.2012	801.2017	801.0012
Type	P12D HR USB	P12D HR USB Constant force	P12D USB	P12D USB Low force	P12D WORK USB
Resolution type	High	High	Standard	Standard	Standard
Force	0.2-0.3N	0.08N	0.4-0.8N	0.2-0.3N	0.4-0.8N
Measuring range	12.7mm				
Resolution	0.01µm		0.1µm		
Max. error	0.6µm		1µm		1.8µm
Repeatability	0.08µm		0.2µm		0.2µm
Nb measures/s	max. 100				
Connector type	USB				
Cable output	Straight				

Probe connection

The P12D is powered by the 5V line of the USB socket. It uses a device that is automatically recognized by modern operating systems. An appropriate driver is installed at the first connection.

Please refer to the manufacturer's website if your PC does not provide an appropriate driver.

After the installation has finished you should see a new "USB Serial Port" device.

Use the following connection parameters :
115'200Bd, 8 data bits, no parity, one stop bit (115'200Bd 8N1)

P12D probes are compatible with the following Sylvac software and display units :

- D300S version 2.35 and higher or 2.5 and higher for high resolution
- Sylcom version 1.3.1 and higher
- Vmux version 1.35 and higher.

Calibration

CALIBRATION CERTIFICATE
Because our instruments are produced in batches, you may find that your calibration certificate seems to be out of date. Please be assured that your instruments are certified at point of production and then held in stock in our warehouse in accordance with our Quality Management System ISO 9001. Re-calibration cycle should start from date of receipt.

Conformity

CERTIFICATE OF CONFORMITY
We certify that this instrument has been manufactured in accordance with our Quality Standard and tested with reference to masters of certified traceability by the Federal Institute of Metrology.
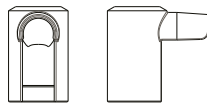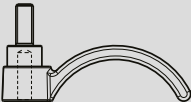
Main commands
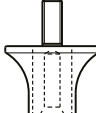
?	Get the probe's position
ID?	Get the instrument's identifier
MM/INCH	Change the measurement unit
SET	Set zero at current position
SUM?	Get the filtering parameter
SUM 1 / 16 / 256	Set the filtering parameter
UNI?	Get the measurement unit
VER?	Get the firmware version

All commands must be terminated by a carriage return character (CR, 0x0D)

Maintenance

Carefully dry all mecanical parts of the instrument after contact with liquids to ensure proper operation and avoid corrosion. Don't use aggressive products (alcohol, trichloroethylene or others) to clean plastic parts. Do not expose the instrument to direct sunlight, heat or humidity.

Accessories

Order number	Drawing	Description
801.5101[1]		Bender 90° for P12D cable
905.2204		Stainless steel contact point M2.5
901.2005		Lifting device with photo cable
905.2224		Plastic lifting lever
905.2225		Plastic lifting ring

See general catalogue (available on www.sylvac.ch) for dimensions and more accessories.
[1] Available in Q1/2019