

S_Probe P12D

WORK Open



Changes without prior notice
 Sous réserve de toute modification
 Änderungen vorbehalten

www.sylvac.ch

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Quickstart guide

Specifications

Specifications	801.0412
Type	P12D WORK Open
Resolution type	Standard
Force	0.4-0.8N ¹⁾
Measuring range	12.7mm
Resolution	0.1µm
Max. error	1.8µm
Repeatability	0.2µm
Nb measures/s	max 100
Connector type	Open
Cable output	Straight
Cable length	2m

¹⁾ ± 20%, vertical position

For further information please visit
www.sylvac.ch/P12D :



Connection

P12D Open has no connector, only an open cable end. Please refer to the following table for correct connection.

Color	Signal	Description
White	A	RS485 A
Brown	Power	5V
Green	B	RS485 B
Yellow	Ground	0V
Braid	Earth	Shielding

Cable specifications

Flexible, shielded, drag chain compatible cable, UV and oil resistant, 4x0.14mm² cross section, color-coded according to DIN 47100, 5.1mm outer diameter.

Interface

Use the following connection parameters :

ASCII : 115'200Bd, 8 data bits, no parity, one stop bit (115'200Bd 8N1)

MBus : 187'500Bd, 8 data bits, odd parity, one stop bit (187'500Bd 8O1)

The probe starts in ASCII mode at 115'200Bd,8N1

As soon as it recognizes a bus command, it switches to 187'500Bd,8O1
It stays at this baudrate as long as the power supply is not interrupted.

Maintenance

Carefully dry all mechanical 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.

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Because our instruments are produced in batches, you may find that your calibration certificate seems to be out of date.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.

MBus commands

The MBus protocol is compatible with the Solartron ORBIT® protocol. For a complete list of supported commands see ORBIT® Protocol Description.

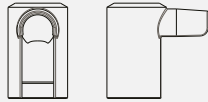


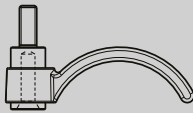
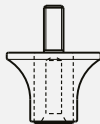
GetInfo (B)	Get device information
Identify (I)	Get device ID
Notify (N)	Return factory ID if moving
SetAddr (S)	Set temporary short address
Read2 (L)	Get current position

ASCII 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)

Accessories

Order number	Drawing	Description
801.5101		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.