OUR NEW P12D PROBES DESERVED A VERY SPECIAL DISPLAY UNIT!

Outstanding design, touchscreen and shockproof display unit for P12D digital probes with M8 connector.



D62S version Advanced

Display unit D62S

- **4.3" touchscreen color display protected against liquids (IP54)**
  - Resolution up to 0.01µm
- **Aluminium case with shockproof rubber protection**
  - Back side with 2 inputs for P12D probes with M8 connector
- **Advanced version with Bluetooth® Technology, integrated battery, indication of the global tolerance status, formula, dynamic measurement & data storage**

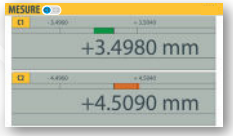
SWISS MADE

Bluetooth®

sylvac

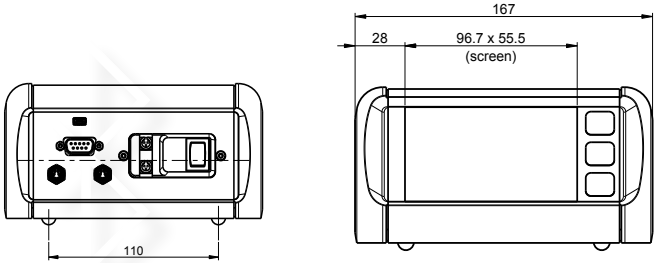
SWISS MADE

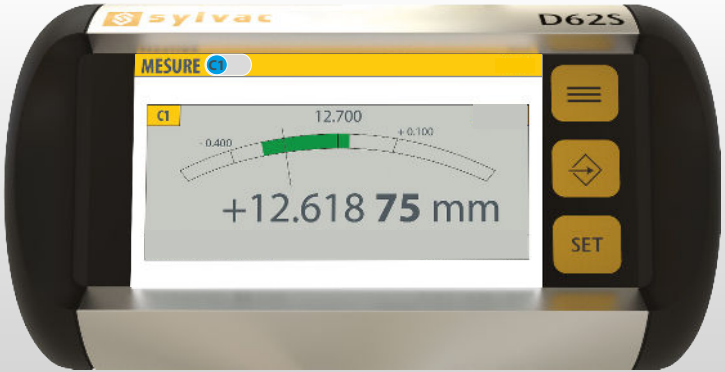
Display unit D62S











D62S Standard version

TECHNICAL SPECIFICATIONS

Specifications	804.1062	804.1063
Version	D62S Standard	D62S Advanced
Display	4.3" touchscreen color display	
Resolution	Selectable, up to 0.01µm	
Construction	Aluminium case with thermoplastic elastomer	
Protection	Front screen protected IP54	
Dimensions	167 x 90 x 90mm	
Weight	613g	665g
Inputs	2 x M8 connectors for P12D-M8 probes	
Connections	RS232, Mini-USB (Virtual COM, HID), 1 footpedal [2]	RS232, Mini-USB (Virtual COM, HID), Bluetooth® [1], 2 footpedals [2]
Tolerances	Go-NoGo, Int, Ext	Go-NoGo, Int, Ext, Global
Basic functions	A, B, A-B, A+B	A, B, A-B, A+B
Global tolerances LED Indicator	-	✔
Formula / MIN-MAX-DELTA	-	✔
Time/date display	-	✔
Data storage	-	✔
Battery	-	✔ (autonomy 1 day)

[1] Slave [2] see cables chapter of Sylvac catalogue

IP54 (front face)

SYLVAC SA Ch. du Closalet 16 / CH-1023-Crissier Tel: +41 (0) 21 637 67 57 Web: www.sylvac.ch

sylvac

Display unit
Unité d'affichage
Anzeigeeinheit

E

D62S

Standard & Advanced

F



D

INSTRUCTIONS
MODE D'EMPLOI
BEDIENUNGSANLEITUNG

Summary

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1. Introduction

The D62S/D62S Advanced display is a simple and intuitive display unit made for connecting 1 or 2 Sylvac inductive probes (P12D-M8) to carry out measurement. Detection of probe is automatic, and do not need any user operation.

The use of Sylvac inductive probes does not require connecting to the display unit, this way it is not necessary to calibrate the D62S.

Connected probes are detected automatically, no operation by the user is required.

Basic measurements can be made (direct measurement with probe A or B, sum and difference between probe A and B), as well as more complete measurements using the D62S Advanced version (multiplication factor, 3-point measurements, etc.)

The screen can be split to show one or two displays. The D62S can make direct (static) measurements.

Measurements can be made in comparison to a reference level, i.e. a benchmark.

The D62S Advanced version can also be used for measuring in dynamic mode (min, max, delta, etc.)

Thanks to the many user-definable functions, the D62S is used in many control applications.

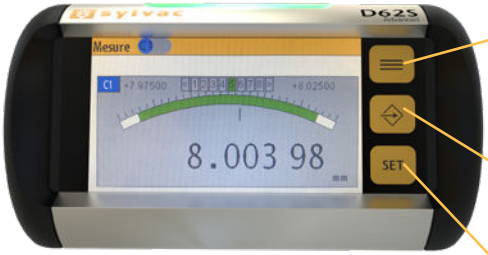
The D62S display can be connected to a PC using its RS-232 and USB ports

A multifunctional footswitch (2 footswitches on the D62 Advanced) can also be connected to the device.

2. Features

D62S - 804.1062	D62S Advanced - 804.1063
Colour 4.3" touchscreen, 480 x 272 resolution	
• Static measurements (A, B, A+B, A-B, tolerances)	• Static measurements (A, B, A+B, A-B, tolerances) • Dynamic measurements, min, max, delta, • Formulas and special functions (factor, 3-point measurement, V-measurement)
Tolerance displayed by channel	Tolerance displayed by channel and overall tolerance
• 2 measurement configurations (2 cotes)	• 2 measurement configurations (2 cotes) • Backup of configurations
Automatic selection of the active channel	Manual or automatic selection of the active channel
	Data storage by channel
	Date and hour
Display precision (from 2 to 5 decimal places)	
Metric (mm or µm) or imperial (in) units	
RS-232 port for PC communication	
USB port for communication with a PC (HID or Com Port) and/or power supply.	
Keyboard with configurable button (favorite function)	
2x Sylvac inductive probe M8 port, auto-detection	
	Battery life: (ECO ON mode)
	Battery charging time: 6h

3. Button functions



Toggle between measure / parameters display / **Parameter mode**: Quit & save

Parameter mode: Select next page
Measuring mode: Active favorite function

Parameter mode: Saves changes and returns to main display
Measuring mode: Preset recall

Comment: every action on button or footswitch acts on the active channel. In case of dual display without selected channel, action will be done on both channels. 2-channel display, the function is activated on the 2 channels simultaneously.

4. Connectivity



5. Communication and connectivity

RS232

The D62S has an RS-232 port, which means that it can be connected to a machine or external system. The speed, parity and format are set to Sylvac standard communication:

4800Bds, E, 7, 2

D62S Advanced: The communication parameters can be changed according to user requirements.

RS232 connector

Description of the RS-232 signals and pin assignments (9-pin SUB-D female connector):

Pin	Signal	Direction	Description
1			Not used
2	RX	Input	Receive data
3	TX	Output	Transmit data
4	IN1	Input	Factory testing only, do not connect
5	Ground	-	Signal ground
6			Not used
7	IN2	Input	Factory testing only, do not connect
8 & 9			Not used

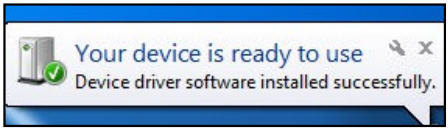
Mini-USB connector

The mini-USB connector has two functions: HID or Virtual port COM

1. HID: transferring measurements only. If you connect the D62S to a PC, it will be detected as a keyboard using the standard drivers for the operating system. When you transfer a measurement, the number will be «written» to the PC as if you had typed it in on a keyboard.

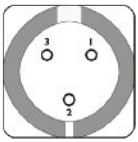
2. Virtual Port Com: this connection has the same parameters than the RS232 Port: **4800, E, 7, 2** (or according to user configuration)

   It can be used either for transferring measurements or sending commands from the computer. Measurement can be sent to any windows application or software using Sylvac Vmux application or Sylcom. To use the USB output as a virtual com port, you will need to install specific drivers (available on www.sylvac.ch for downloading). Windows message confirming that the D62S0 has been correctly detected and installed:



Comment: It is also possible of powering the D62S display via the mini-USB, in case of the periphery is capable of giving 5V/1000mA.

Footswitch



Pin 1 : Ground
Pin 2 : Input +9.0V (not used for footswitch)
Pin 3 : External contact input 1 (signal = 0 Volt)

6. Graphical interface

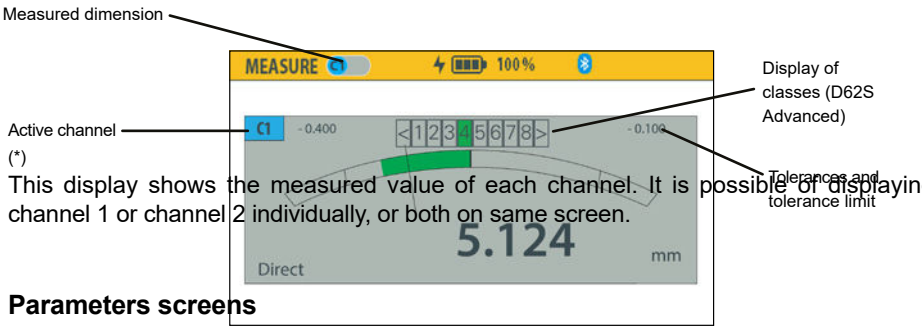
The graphical interface of your D62S has been designed for easy and intuitive use. This chapter gives an overview of the various screens and commands available.

The graphical interface of your D62S is made up of two main screens:

- Measuring display
- Display and selection of configuration parameters

(This chapter gives an overview of the various screens and commands available.

Measuring display



(*)

This display shows the measured value of each channel. It is possible of displaying channel 1 or channel 2 individually, or both on same screen.

Parameters screens

Enter to parameter screen by pressing button





Parameters (page 1): measurement parameters (resolution, unit of measurement, tolerances, preset, etc.)

Parameters (page 2): user settings: language, connectivity, footswitch, favorite, etc.

Parameters (page 3): (D62S Adv): print settings, data storage, timer

Navigation in the menus



Toggling between measuring mode and parameter mode.



Page change or return to the previous menu without saving changes.



Back to previous menu and saving changes.



Return to Measuring mode and saving changes.



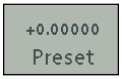
Return to Measuring mode without saving changes.



Back to previous menu with saving changes.



The blue colour indicates the active option.



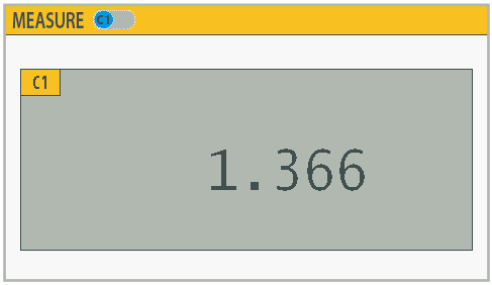
Interactive tile:
Line 1: Value or active state
Line 2: Function

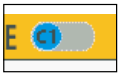
7. Available screen formats

The measurement screen displays the values of the piece being tested. Galvanometer and bar chart displays mean that the value can be compared to tolerances entered using the definitions menu.

Basic screen

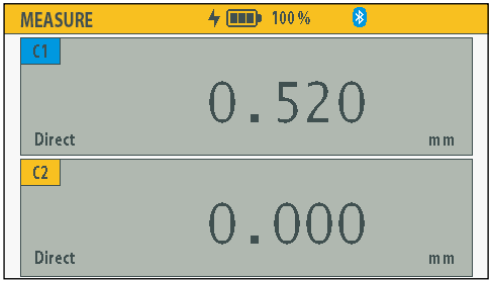
Single channel





Selection of channel 1 or 2 can be done automatically (auto detect), or by manually selecting the channel using the cursor.

Dual channels

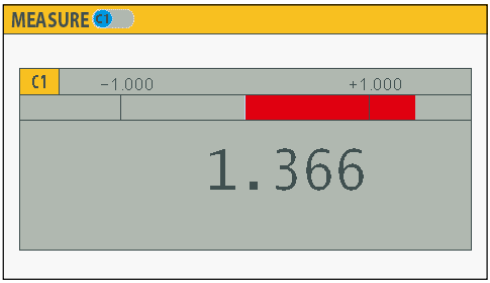


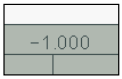
Note: In 2-channel mode, it is possible to manually select the active channel on the D62S Advanced. Press the channel indicator [C1] or [C2]: which channel is active is shown by a blue indicator [C1].

Bart chart screen

Single channel

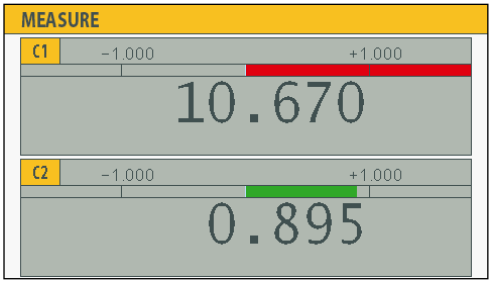
The bar chart mode is used to display the direction of the dimensional value with respect to the tolerances.





Upper and lower tolerances.
D62S Advanced: a 2nd mark within tolerances indicates the threshold limits.

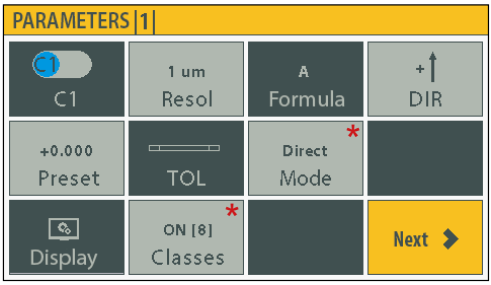
Dual channel



8. Configuration of parameters

Description of the different windows available for configuring the measurement parameters.
The parameter screen is activated by pressing the button  .

Measurement parameters |1|



Note: Tiles marked with (*) are active for D62S Advanced only.

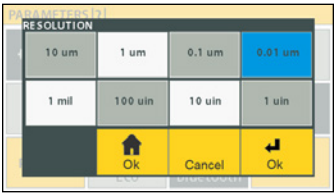


Selection of active channel : C1 or C2



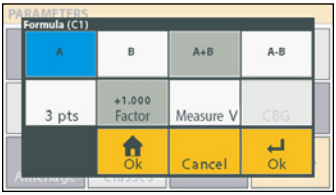
Selection of unit and resolution.

Note: The maximum resolution is limited by the resolution of the connected probe.





Selection of the probe input or formula (D62S Advanced) for the active channel (see subsection Formulas and special functions)





Selection of counting direction.

+0.00000
Preset

Introduction of preset value for active channel.

The current value of the preset is displayed on the 1st line of the tile.



TOL

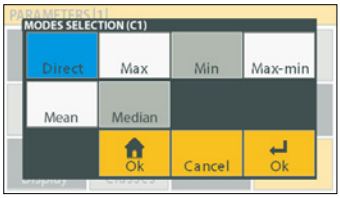
Entering of tolerances and activation of the global tolerance mode.
(D62S Advanced only)

See details in the chapter «Tolerances and Classes».



Direct
Mode

Selecting the Measuring mode (direct/ min-max (D62S Advanced).

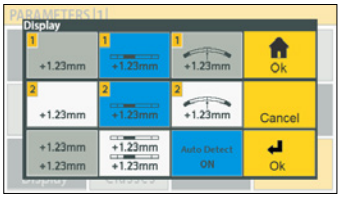


Display

Selection of display type.

Auto Detect
ON

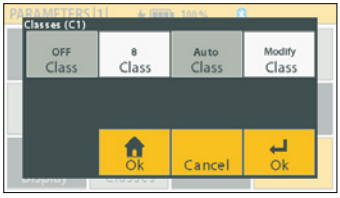
Automatic detection: this selection activates the automatic detection of the probe in motion to switch to the corresponding display in the display mode on 1 channel.



ON [8]
Classes

Introduction and activation of measurement classes (D62S Advanced).

For details see chapter «Tolerances and Classes».



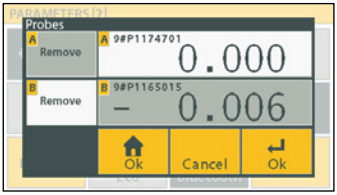
Measurement parameters |2|



Note: Tiles marked with (*) are active for D62S Advanced only.



Connection and information of the probes:
- Manual disconnection-reconnection
- Address of the probes





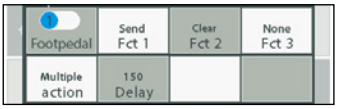
Footswitch settings.

2 footswitches can be connected and parameterized with different functions on the D62S Advanced.

Refer to the chapter Favourite button and footswitch.



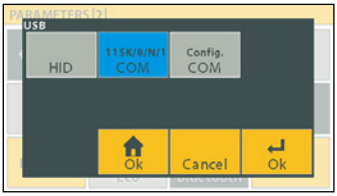
D62S Standard



D62S Advanced



Introduction to the USB/RS232 communication parameters.





Configuration of the communication parameters (D62S Advanced).



Turning the buzzer on/off.

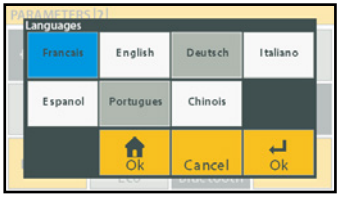


Tactil display lock mode: only Favorite and SET buttons remain active

Press  5s to unlock



Changing the language





General information about the firmware version of the measuring unit and probes.



Favourite button action
D62S: Single action.

D62S Advanced: Combined action. Refer to Chapter Favourite button and footswitch.



D62S Standard



D62S Advanced



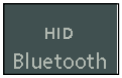
Activation of the D62S energy saving mode: fixed time 2', display off.

D62S Advanced: configurable duration and switch off modes.

Eco ON (Screen saver) : gradual reduction of the background lighting.

Standby ON (Screen OFF) : wake-up by probe movement or user action.

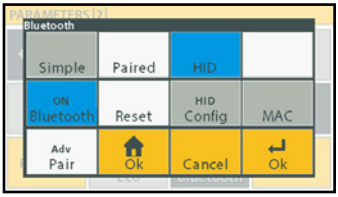




Selection of Bluetooth® parameter (D62S Advanced).

HID: Indicates which mode is active.

Refer to chapter «Bluetooth® configuration»



Measurement parameters |3|



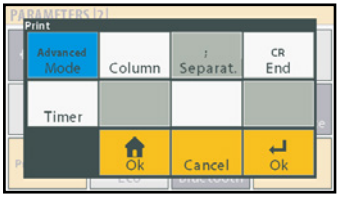
E

Print

Activation and selection of printing parameters.

D62S: transfer of the active value only.
D62S Advanced: configurable transmission parameters

See «Printing parameters»

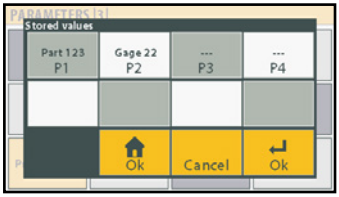


Store

Activation and selection of data storage mode parameters.

Ability to store up to 2500 values per position.

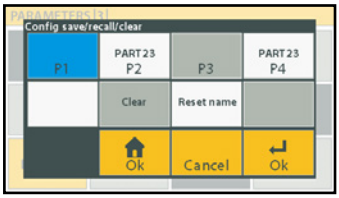
Refer to «Parameters for storage mode».



Config

Activation and selection of customizable configurations.

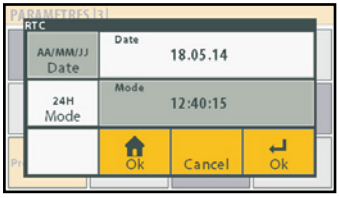
Refer to «Configuration».



12:02:48
RTC

Setting the date and time.

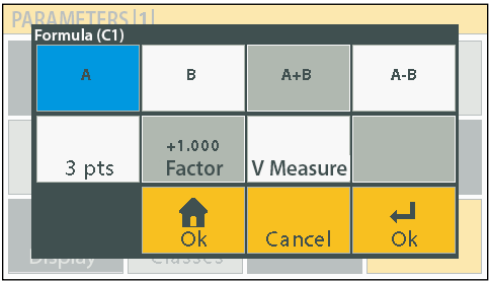
The format is selected directly by activating the Date and Mode buttons
The date and time are entered by selecting the corresponding window.



9. Configuration modes

Formulas and special functions

Selection of active input and special functions by channel (dimension).



Probe selection



Assignment of probe A or B for the selected channel.



Selection of the formula Probe A - Probe B (or Probe A - Probe B) for the selected channel.

Special functions (D62S Advanced)

3 pts measurement



Assignment of probe A or B for the selected channel.



Selection of the measurement formula on 3pts (ring measurement) for the selected channel.



Enter the diameter of the pins.



Enter the diameter of the 2 calibration rings.

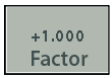


The calibration is performed automatically in measuring mode during the preset of rings # 1 and # 2.

Multiplication factor



Assignment of probe A or B for the selected channel.



Assignment of a multiplication factor for the selected channel.
Important: Select probe A or B first.

Use on V-measurement



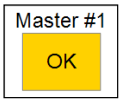
Assignment of probe A or B for the selected channel.



Selection of the measurement formula on a V-measurement for the selected channel.

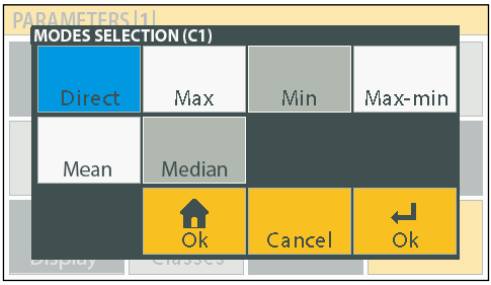


Enter the diameter of the 2 calibration rings.



The calibration is performed automatically in measuring mode during the preset of rings # 1 and # 2.

Dynamic measuring mode (D62 Advanced)





Active static measuring mode.



Measuring mode with storage of the maximum value.



Measuring mode with storage of the minimum value.



Measuring mode with delta storage (MAX-MIN).



Measuring mode with storage of the average value of the measurements over a sampling time.



Measuring mode with storage of the median (MAX-MIN) / 2

Int

Activation of tolerance indicators for internal measurements (bores).

Ext

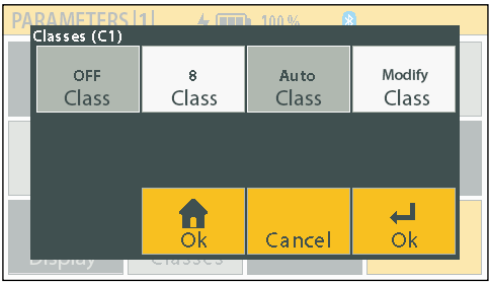
Activation of tolerance indicators for external measurements.

OFF
Global

Activation of the global tolerance indicator.

D62S Advanced: The global tolerance indicator shows the status of the active channel if global mode is disabled.

Classes (D62S Advanced)



OFF
Class

Activation of classes.

8
Class

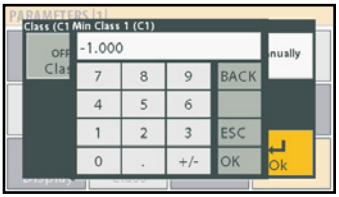
Entry of the number of classes (maximum 8).

Auto
Class

Automatic assignment of classes, on the basis of tolerances entered for the selected channel. The classes are symmetrically distributed.

Modify
Class

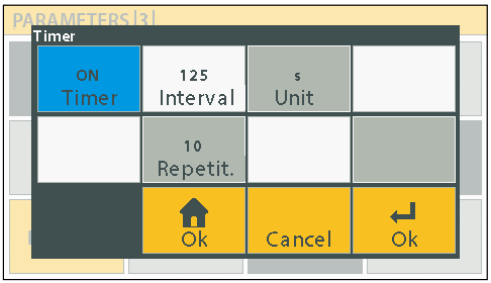
Manual assignment of classes, on the basis of the tolerances entered for the channel selected. Allows non-symmetrical distribution. Switching to the next class is done by pressing OK, ESC.



11. Footswitch and favorite function

Using the timer

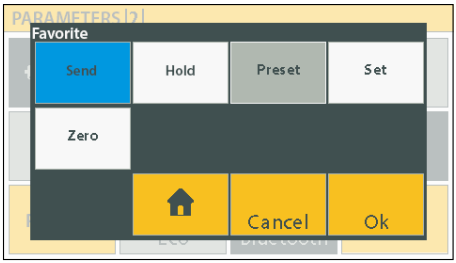
Since the D62S Advanced model, it is possible to assign the functions measurement transmission or storage of values with time intervals to the footswitches and favourite function (example: transfer or storage of a dimension every x minutes).

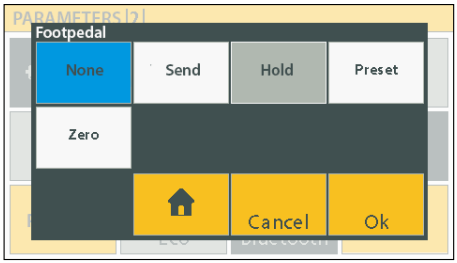


Example: store function: 125s, 10x: store a value every 125 seconds
Note : the timer is not available on multi-actions mode.

D62S - Favourite button and footswitch

The functions of the favourite button and the footswitch are identical.

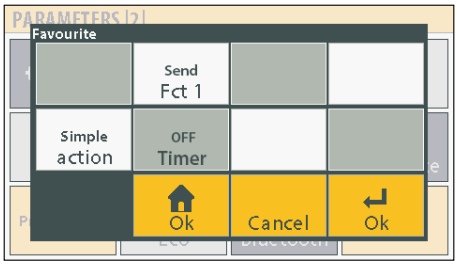


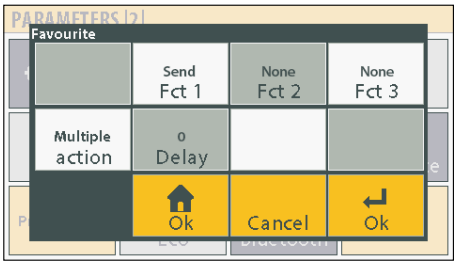


Send	Data output
Hold	Freeze
Preset	Preset recall
Set	Preset=0.000
Zero	Enable a relative zero, for a measurement compared to a 2nd reference.
	Return to the basic reference by pressing a second time.

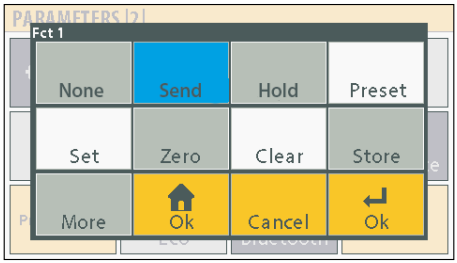
D62S Advanced - Favourite button and footswitch

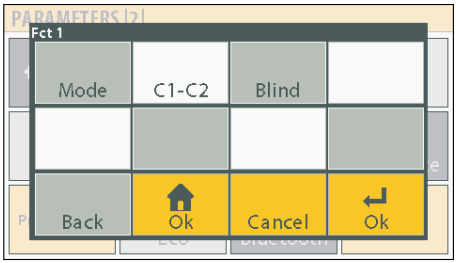
On D62S Advanced, it is possible to assign additional functions to the favourite button and the footswitches. Each footswitch and the favourite button can also have several cumulative functions, with a delay between each action.





Available functions







Clear: dynamic initialization (min-max mode).



Storage of values (according to the store mode configuration).



Blind Measuring mode: the displayed value is refreshed by pressing the favourite button.



Active mode change: direct – min – max – delta – etc.

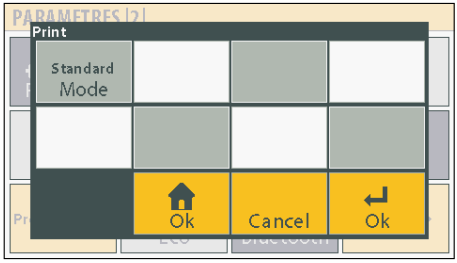


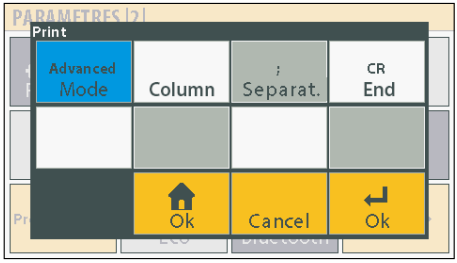
Toggle from dimension 1 to dimension 2.

12. Printing mode configurations

Printing parameters

Different printing formats are possible as from the D62S Advanced version, with the possibility of adding for example: the date, time, channel number, reference of the part to be measured, etc.





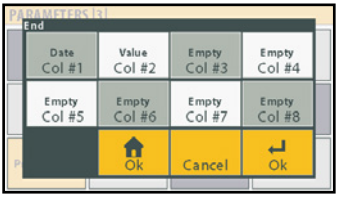
Selection of transfer mode: D62S Standard <> Customized

Advanced printing parameters

Column

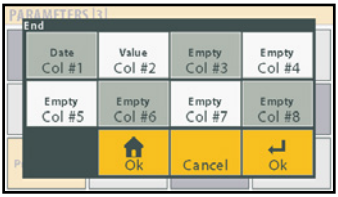
Selection of the number of columns (max. 8) and information to be transferred.

Example: 15.05.2018; +1.234



Date Col #1

For each column, the user has a choice between different predefined fields.



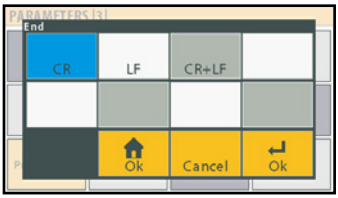
; Separat.

Different separators can be selected to delimit the columns.



CR
End

Selection of the end of line.



13. Communication protocol

The D62S uses the Sylvac communications protocol in order to run and configure its functions.

Data transmission format

Data transmission can be requested either by favourite button, footswitch or request from computer.

Comment : request or command is made on the active channel.

2-channel mode:
D62S: the values of the 2 channels are transmitted, separated by a comma «,»
D62S ADV: The values of the 2 channels are transmitted, separated by a comma «,» or of the active channel if one of the 2 channels has been manually selected (refer to Chapter Printing for available configurations).

Transmission format for 1 channel: +/- E0···En DP D0···Dn CR
Example: +123.456<CR>

Transmission format for 2 channels: +/- E1···E1n DP D10···D1n , +/- E20···E2n DP D20···Dn CR
Example: +123.456,+234.567<CR>

List of commands

Command	Reply	Function	D62 Adv.
?	+|-[xx]xx.yy[yyy][_< | = | >]	Data request: active channel	
?x		data request of channel (x)	
Bat ?	BAT0/1	Battery status	
BEEP ?	BEEP0/1	Status buzzer	
BEEP 0		Deactivate the buzzer	

BEEP 1		Activate the buzzer	
BT 0			
BT 1			
BT RST			
CFG #x			
CFG NAME#x <name>		Configuration name #x	✔
CFG #x RST			
CHA-	<Command>	dir meas. Neg	
CHA x = y		Assign the x channel to the y channel	
CHA?	CHA+ | CHA-	Status. dir meas.	
CHA+	<Command>	dir meas. Pos	
CHA+/- x +/- y		Addition channels 1 and 2	
ECHO 0	<Command>	Deactivate echo commands	
ECHO 1	<Command>	Activate echo commands	
FAC RST	<empty>	Factory reset	
FCT	<Command>	Execute the favorite function (favorite button)	
FCT x	<Command>	Select the favorite function	
ID?	SY301	Id instrument (SY301)	
IN	<Command>	Select the unit IN	
KEY 0	<Command>	lock key	
KEY 1	<Command>	unlock key	
KEY?	KEY0 | KEY1	Status lock/unlock	
LCAL ?	dd.mm.yyyy	Last calibration date input	
LCAL [d]d.m[m].[yyy]y	<Command>	Last calibration date : jj.mm.aa	
MAC?			
MM	<Command>	Select unit mm	
NCAL ?	dd.mm.yyyy	Next CAL date jj.mm.aa	
NCAL [d]d.m[m].[yyy]y	<Command>	Next calibration date input jj.mm.aa	
NUM		Select the numeric mode for the two dimensions	
NUM AAAAAAAAAA	<Command>	User serial number	

NUM?	a[aaaaaaaaa]	Instrument number	
OUT0/1		Continuous data sending for the active channel	
PBAT?		Battery status in %	
PRE	<Command>	Recall of preset	
PRE +/-XXX.YYYYY	<Command>	Preset value setting	
PRE?	+|-[xx]xx.yy[yyy]	Preset value	
PRI	[#nnn;]+|-[xx]xx.yy[yyy][_< | = | >]	data request	
REL		Enable relative mode (floating zero)	
RES?	RESx	Status of the res (RESx)	
RES0	<Command>	0.01µm/0.001mil	
RES1	<Command>	0.1µm / 0.01mil	
RES2	<Command>	1 µm / 0.1mil	
RES3	<Command>	10µm / 1mil	
RES4		100µm / 10mil	
RST	<empty>	Reset software	
SN?	SNa[aaaaaaaaa]	Factory serial number	
STO 0	<Command>	Clear the display (clear HOLD)	
STO 1	<Command>	Freezes the display (HOLD)	
STO?	STO0 | STO1	Status of HOLD function	
TOL ?	+|-[xx]xx.yy[yyy]_+|-[xx]xx.yy[yyy]	Transmit the values of the tolerance limits	
TOL +/-xxx.xxxx +/-yyy yyyy +/-zzz zzzz	<Command>	Entry of nominal, upper and lower tolerance limits	
TOL 0	<Command>	Disable the TOL function	
TOL 1	<Command>	Enable the TOL function	
UNI 0	<Command>	Deactive unit change	
UNI 1	<Command>	Active unit change	
UNI?	MM | IN	Unit status	
VER?		Firmware version: x.yya dd.mm.yy	

Errors

Errors	Error description
ERR0	Command disabled
ERR1	Parity
ERR2	Unknown command
P1 ERR	No probe 1
P2 ERR	No probe 2
P12 ERR	No probe 1 and 2

14. Bluetooth® configuration

Bluetooth® connection indicator

The connection procedure has been designed to be simple and is signalled by the following three states:

Symbol off ..... disconnected mode
Symbol blinking..... advertising mode
Symbol on..... connected mode

Connection:
1° Activate Bluetooth® compatible software and hardware (Master : PC, Display Unit).
2° Start the instrument. By default the Bluetooth® module is active and the instrument is available for connection (advertising
mode).
3° If no connnection is established during the advertisement period reactivate the Bluetooth® module via the bt / On tile.
4° Instrument is ready to communicate (connected mode.)

Only with paired profile:
Pairing with master is automatically done at first connection.

To connect the instrument to a new master (new pairing), pairing information on the instrument must be cleared using the via the Bluetooth® Reset tile

Different communication profiles can be selected for Bluetooth® communication.

Selection of the connection profile:



Simple : Unpaired profile (by default): The D62S Advanced can be connected to another master at the next restart without having to reset Bluetooth®.



Paired: Profile paired and secured: The D62S Advanced is linked to the master and cannot be connected to another master without performing a reset.

Bluetooth® pairing information is cleared when the profile is changed.



HID : Keyboard emulation: This communication profile allows you to send data directly to any Bluetooth® 4.0 and above compatible device.

The D62S Advanced is linked to the master and cannot be connected to another master without performing a Bluetooth® reset.

Bluetooth® pairing information is cleared when the profile is changed.



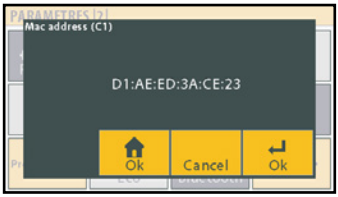
Activating Bluetooth®: During Bluetooth® activation, the unit automatically starts the Advertising mode
to find a master.



Disables the pairing parameterisation for a new connection.



Display of the MAC address of the Bluetooth® module:

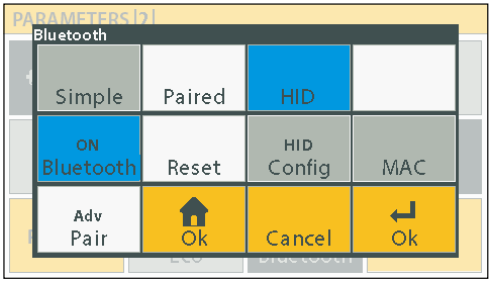




Information on the status and connection stages.

HID configuration

The default HID configuration uses the emulation of the numeric Windows keyboard. According to the needs of tablets (Android or iOS) it is possible to configure the HID Bluetooth® connection to emulate a standard keyboard with the «HID config» key.

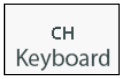




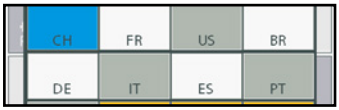
Select the Windows numeric keyboard



Customized configuration of the standard keyboard:
- Keyboard type
- Separator
- End of line
- Decimal separator



Type of keyboard to emulate.





Value separator.





End of transmission.





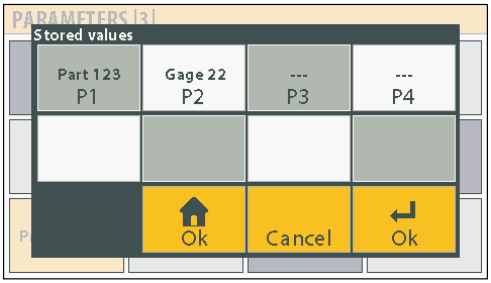
Decimal separator.



15. Storage and management of measurements

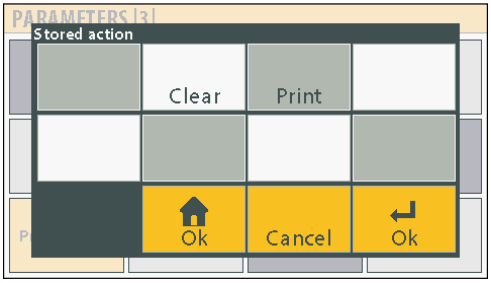
It is possible to store a maximum of 4 dimensions, identified as #1, #2, #3, #4. A full name (limited to 8 characters) can be sent by the master (PC).

Stored value position corresponds to active configuration.



The number of stored values depends on the selected configuration.
Theoretical max. number of values: 2500 values/position.

The storage format of the values corresponds to the PRINT mode.





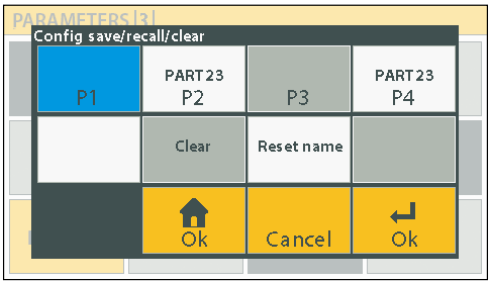
Deletion of stored data for the selected position.



Transfer of stored data. (by RS232/USB only, not by HID or Bluetooth®)

Backup and configuration

Up to 4 configurations can be saved on the D62S Advanced version.



A name (max. 8 characters) can be sent by the master (PC) to identify the configuration.

The selected parameters are active for the selected configuration: a configuration must be selected before setting the display unit parameters.



Resetting the parameters to the default values for the selected configuration.



Deletion of the assigned name of the configuration.

16. Firmware update

The D62S internal software can be updated in case of necessary.

Updating requires an RS232 1:1 cable. It is possible to use an RS232/USB converter if your PC is not equipped with a serial port.

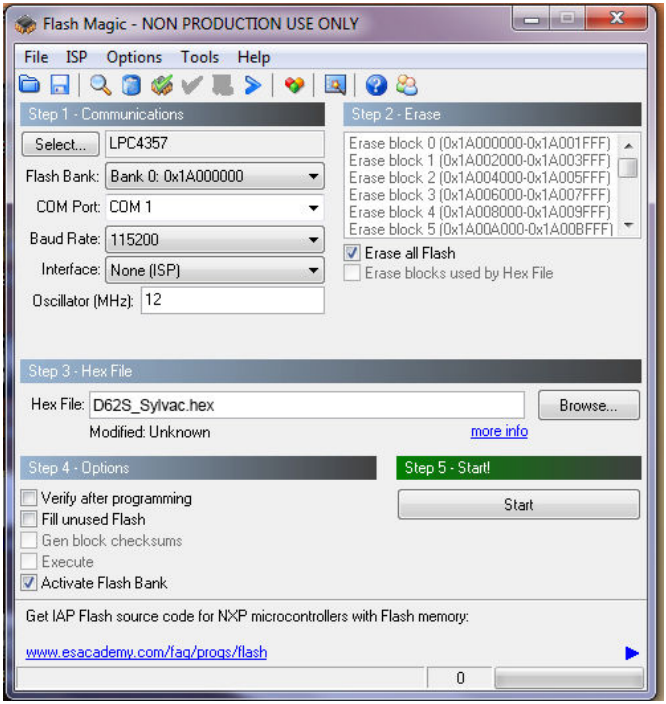
Updating the firmware requires the «flash magic» software, which can be downloaded free of charge from this address: www.flashmagictools.com.

After installation, configure the software as follows :

Procedure :

1. Connect the D62S to the computer with standard RS232 cable 1:1
2. Connect the footswitch
3. Switch on the D62S while pressing footswitch (screen will remain white)*
4. Configure the flash magic software according to the image above.
5. Click on “Start”. Updating will take between 2 and 5 minutes depending on the speed chosen. During updating the screen is locked.
6. The D62S restarts automatically when the procedure is completed.
7. Reinitialise the D62S.

**Comment: check on which Com Port port your unit is connected, and select corresponding port on COM Port*



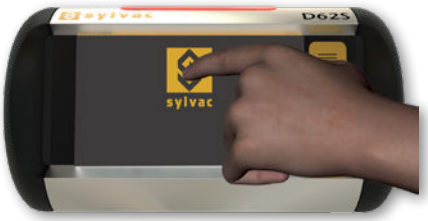
17. Restoring factory settings

This setting allows you to revert the D62S to default settings.

Procedure :

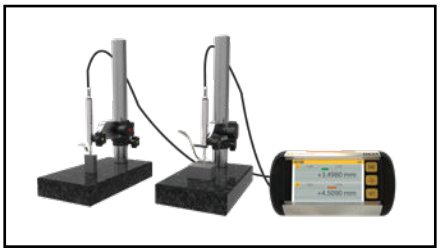
1. Turn off the D62S
2. Switch on the D62S
3. When the start screen appears, tap the Sylvac logo
4. A panel with 3 icons will appear
5. Tap the «Initialisation» button
6. Confirm with YES or cancel with NO
7. Tap the «Home» icon to return to the measurement screen

Comment: This function will reset all of the parameters and settings of your D62S. All tolerances, benchmark values, and sensor settings will be lost.





18. Applications



2 probes P12D connected to a D62S.



Bench PS15 coupled with a probes P12D , connected to a D62S.

CERTIFICATE OF CONFORMITY
Sylvac certifies 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.

CERTIFICAT DE CONFORMITE
Sylvac certifie que cet instrument a été fabriqué et contrôlé selon ses normes de Qualité et en référence avec des étalons dont la traçabilité est reconnue par l'institut fédéral de métrologie.

QUALITÄTSZEUGNIS
Sylvac bestätigt, dass dieses Gerät gemäss seinen internen Qualitätsnormen hergestellt wurde und mittels Normalen mit anerkannter Rückverfolgbarkeit, kalibriert durch das eidgenössische Institut für Metrologie, geprüft worden ist.

U.S./Canada certification

FCC ID: 2AAQS-ISP091201
IC: 11306A-ISP091201

Sylvac
m.n : D62S Advanced

NOTICE :

Changes or modifications made to this equipment not expressly approved by Sylvac may void the FCC authorization to operate this equipment.

NOTICE :

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject

to the following two conditions.

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE :
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radiofrequency radiation exposure Information :
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Sylvac is under license. Other trademarks and trade names are those of their respective owners.

Brazil certification

Description:
This module is based on Nordic Semiconductor nRF8001 µBlue Bluetooth Low Energy Platform. The nRF8001 is a single chip transceiver with an embedded baseband protocol engine, suitable for ultra-low power wireless applications conforming to the Bluetooth Low Energy Specification contained within v4.0 of the overall Bluetooth specification. The nRF8001, used in the current revision of ISP091201, is a production product using a RoM for the baseband protocol engine.



Este equipamento opera em caráter secondário, isto é, não tem direito à proteção contra interferência prejudicial, mesmo de estações do mesmo tipo e não pode causar interferência a sistemas operando em caráter primário.

Mexico certification

Contiene modulo inalámbrico
Marca: Sylvac
Modelo: ISP091201D
IFT: RCPSYIS14-0655

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Other Certifications

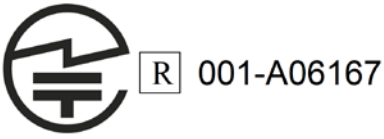
Korea South certification

MSIP-CRM-iNs-ISP091201

Class A Equipment (Industrial Use)

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Japan certification



Taiwan certification



警語
經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。
前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

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EU DECLARATION OF CONFORMITY (DoC)

We, Sylvac SA, hereby declare under our sole responsibility that the product

Name	D62S Advanced Digital display
Description	Display unit for P12D Inductive probes
Part Numbers	804.1063

has been submitted to a conformity assessment and fulfils the essential requirements of the following European directives

2001/95/EC	General product safety
2014/30/EU	EMC
2011/65/EU & 2015/863/EU	RoHS
2014/53/EU	Radio Equipment Directive (RED)

and complies with the following harmonized standards or other normative documents

EN 61326-1:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 300 328 V1.7.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems

Person authorized to compile the technical file and issue the declaration of conformity: Eric Schnyder

Place and date of issue	Yverdon-Les-Bains, September 12, 2019
Name (position)	Eric Schnyder (CEO)
Signature	

