

DS-I/OBOX® for BIOPAT®

DS-I/O BOX®

DIGITAL SCADA |/O|BOX

STRENGTHS COMPARED TO COMPETITOR

- Smaller form factor
- SCADA integration
- Multinstruments
- Innovative User Interface
- ✓ BIOPAT[®] MFCS Compatible



Flexibility for ever	tem has an easy and intuitive probe configuration, suitable ry users even without any limitations. The user through the n manage the probes
Easy to Use	stem has been designed for being Easy to Use from ner, and also from the Automation perspective
Security	nfigurations access to configuration probes and system is ted by Password to ensure the security of the software
Connectivity	tem can be used via Web Client. Data can be exported to s, XLSX files and shared on a folder or USB device.

Two type of BIOPAT® probes





Modularity

BIOPAT® Flow

BIOPAT® Pressure



NO ADDITIONAL DISPLAY

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DS-I/O BOX®

Modularity

NO ADDITIONAL DISPLAY



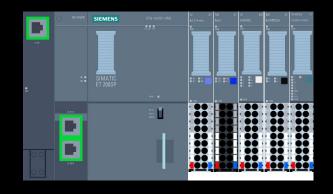
Modularity

Integrated amplifiers allow us to manage BIOPAT® SartoFlow directly from the HMI



SIEMENS ARCHITECTURE

Modularity





All the I/O modules are connected directly to the bus of the CPU for faster signal transmission

New generation of HMI panel for a modern UI, more storage capacity and better construction quality





Modularity



Industrial pc forfurtherinnovationswithouttechnological limits



Remote access will allow the user to connect to multiple I/O boxes at the same time





User can save the informations about the probes.

A dedicated page allows the calibration every BIOPAT® Flow and BIOPAT® Pressure probes configurated.

à	DS-I/O BOX®
ඛ	Seleziona il tipo di sensore
。 ••••	
~	
¢	Sensori di pressione Sensori di flusso
(i)	







DS-I/O BOX® for BIOPAT® can start a Batch and record all the data that are taken from the configured probes.

	DS	-I/O BOX	®
		BioPAT® Pressure	37(53)11
~	0,00 bar	BioPAT® Flow	0,02 bar
ŝ	Affidəbilità: 92%		Affidabilità: 89%
$\overline{\mathbf{i}}$	NOME BATCH		

Easy to Use





The user is able to do reporting of

a batch.

Report can be saved and

exported to external USB memory,

into a shared network folder or

downloaded from Web Client.

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Easy to Use

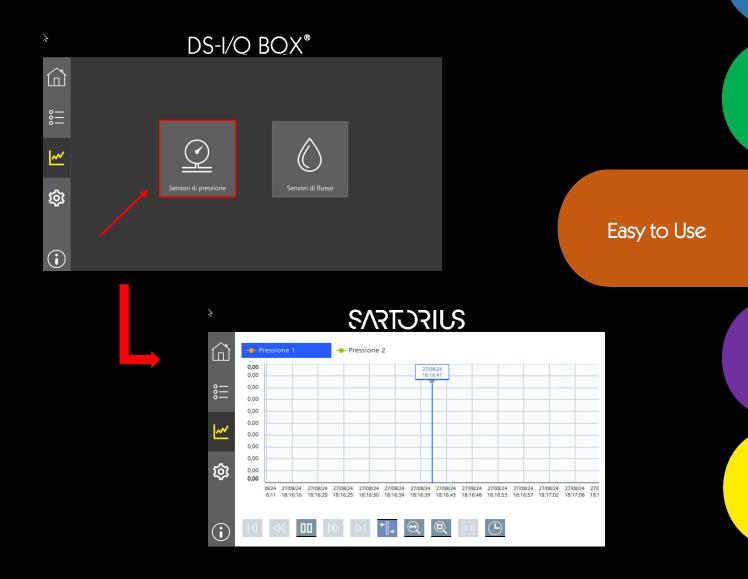


The user will always have a batch and trend view with all its details, also if the batch is still in running. The user can also put some filters to let him visualize some specific data.

When a batch is running the DS-I/O BOX® for BIOPAT® can visualize the recorded trend in real time.

O BOX®

DS-I/(





The Alarms section is designed to monitor and manage the system alerts generated by the device.

This section provides a comprehensive overview of all active and historical alarms, allowing for quick identification and resolution of problems.







The DS-I/O BOX® for BIOPAT® integrates a User Management Module that allows to control the access to the system and permit only the authorized users to use that. By default, the following users are set up:

> Admin Supervisor Operator Guest



Security





Customer can use their own Microsoft Active directory to let the DS-IO-BOX® for BIOPAT® use their users and groups to let users login with their own company credentials.

The Administrator can also manage the groups inside the HMI.



Security



FDA 21 CFR PART 11

Every action made inside the HMI is recorded, in compliance with the **21** CFR Part 11. Within the Audit Trail view an authorized user can see every action performed within the HMI by each user. The Audit Trail can exported for auditing also be purposes.

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Security





The DS-I/OBOX® for BIOPAT® either supports SCADA Systems, variables and alarms can be seen externally via OPC UA, with all the OPC UA Encryptions supported. The DS-I/O BOX® for BIOPAT® system is compatible with:



Connectivity

- MFCS 4 or higher
- DeltaV





It is also possible to connect remotely to the HMI, with a PC or tablet. The DS-I/O BOX[®] for BIOPAT[®] utilizes the VNC protocol, that let the customers to control the DS-I/O BOX[®] for BIOPAT[®] even when they are not physically there. Also, the DS-I/O BOX[®] for BIOPAT[®] can be controlled remotely in GMP areas, since no internet connection is required.





Connectivity

BIOPAT® MFCS COMPATIBILITY

As mentioned before, this system can also be configured with BIOPAT® MFCS 4 to read data from the DS-I/O BOX® for BIOPAT® unit or add the DS-I/O BOX® for BIOPAT® variables inside of an existing configuration.





Connectivity

DS-I/O BOX®

A new concept for connecting multiple instruments for pharmaceutical customers