

DS-I/O BOX® for Palletank®

DS-I/O BOX®

DIGITAL SCADA |/O|BOX

STRENGTHS COMPARED TO COMPETITOR

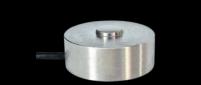
- Smaller form factor
- SCADA integration
- Multinstruments
- Innovative User Interface
- ✓ BIOPAT[®] MFCS Compatible



	Modularity	The system is able to manage different kinds of probes, scales and other type of instruments
	Flexibility	HMI can manage up to 5 instruments for each type and user choose which one is in use. The system automatically adapts itself
Main Focus Point	Easy to Use	This system has been designed for being Easy to Use from customer, and also from the Automation perspective
	Security	The system is 21 CFR part 11 compliance. Audit Trail log each operation made by specific user.
	Connectivity	The system can be used via Web Client. Data can be exported via OPC UA or in pdf format via shared folder
DS-I/O BOX®		

Some type of probe and instruments





Load Cells



Mixers



Peristaltic Pumps



Sartocheck



Industrial Terminal



Different process probe



NO ADDITIONAL DISPLAY

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DS-I/O BOX®

Modularity

NO ADDITIONAL DISPLAY



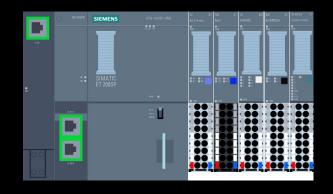
Modularity

Integrated amplifiers allow us to manage the calibration of conductivity and ph probes 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



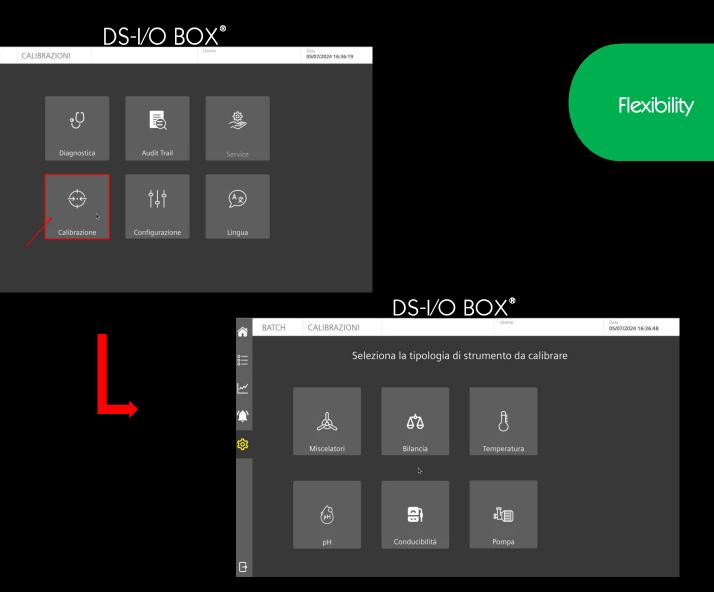


User can save up to 5 instruments for each type.

A privileged user can switch one instrument to another one by simply clicking on it.

A dedicated page allows the calibration of some types of instruments such as pH meters, scales and conductivity meters.

DS-I/O BOX®





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







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® PALLETANK® for can visualize the recorded trend in real time.





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



OSI PI (via OPC UA connector)



MFCS 4 or higher





Connectivity



It is also possible to connect remotely to the HMI, with a PC or tablet. The DS-I/O BOX® for PALLETANK® utilizes the VNC protocol, that let the customers to control the DS-I/O BOX® for PALLETANK® even when they are not physically there. Also, the DS-I/O BOX® for PALLETANK® 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 PALLETANK® unit or add the DS-I/O BOX® for PALLETANK® variables inside of an existing configuration.

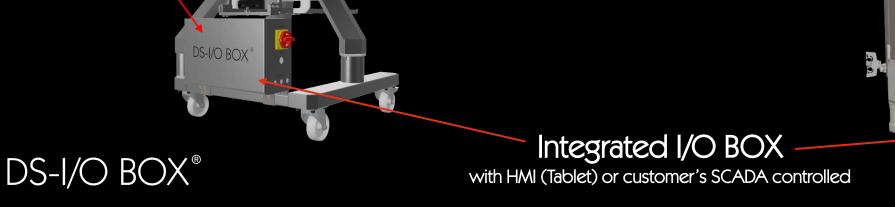




Connectivity

The industrial automation taken to a whole new level DS-I/O BOX® for PALLETANK®

Small volumes Promixer (5L – 20L) and STD Mix Palletanks (50L – 3000L)



DS-I/O BOX®



This is an example of **Palletank®** connectivity to an **IP 65** industrial PC/tablet to our **DS-I/O BOX®** for **PALLETANK®**



DS-I/O BOX

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DS-I/O BOX*

DS-I/O BOX®

A new concept for connecting multiple instruments for pharmaceutical customers