



DS-I/O BOX®
for WIT TROLLEY

DS-I/O BOX[®]

DIGITAL

SCADA

I/O

BOX

Strengths Compared To Competitor

- ✓ Easy to transport
- ✓ Innovative User Interface
- ✓ Sartochek 5/5 Plus compatible
- ✓ SCADA Integration
- ✓ OPC UA Protocol Compatible

Main Focus Point

Architecture

The system is equipped with a compact ergonomic architecture, to guarantee the operator, the best working conditions

Flexibility

The system can operate either independently, or with Sartorius 5/5 Plus.

Easy to Use

This system has been designed for being Easy to Use from the customer, and from the Automation perspective

Security

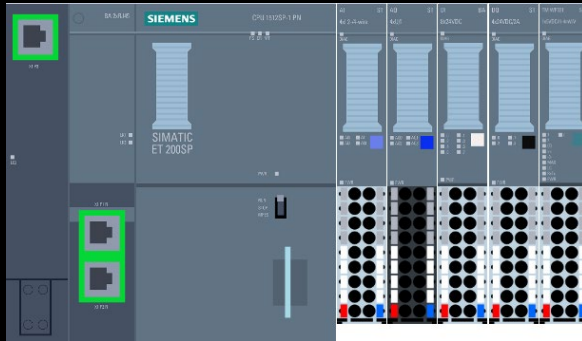
The system is 21 CFR part 11 compliance. Audit Trail log each operation made by specific user.

Connectivity

The system can be used via Web Client. Data can be exported via OPC UA or in pdf format via shared folder

SIEMENS ARCHITECTURE

Architecture



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

DS-I/O BOX[®]



ARCHITECTURE

Architecture

DS-I/O BOX[®] for WIT Trolley is entirely made of AISI 304L stainless steel, with satin finish; there is a hole for draining liquid spills.

DS-I/O BOX[®] for WIT Trolley is equipped with an inspection system on both sides, the display is in an **easy-to-access** position for the operator.

Display DS-I/O BOX[®] for WIT Trolley



DS-I/O BOX[®]



SARTOCHECK'S OPERATION

The DS-I/O BOX[®] for WIT Trolley performs operations on the Sartocheck 5/5 Plus via the its protocol, it can:

- Start a Measurement Test on the device
- Stop a Measurement Test
- Check the status of the Test execution
- Acceptance of a Test Result
- Access to past Test Results

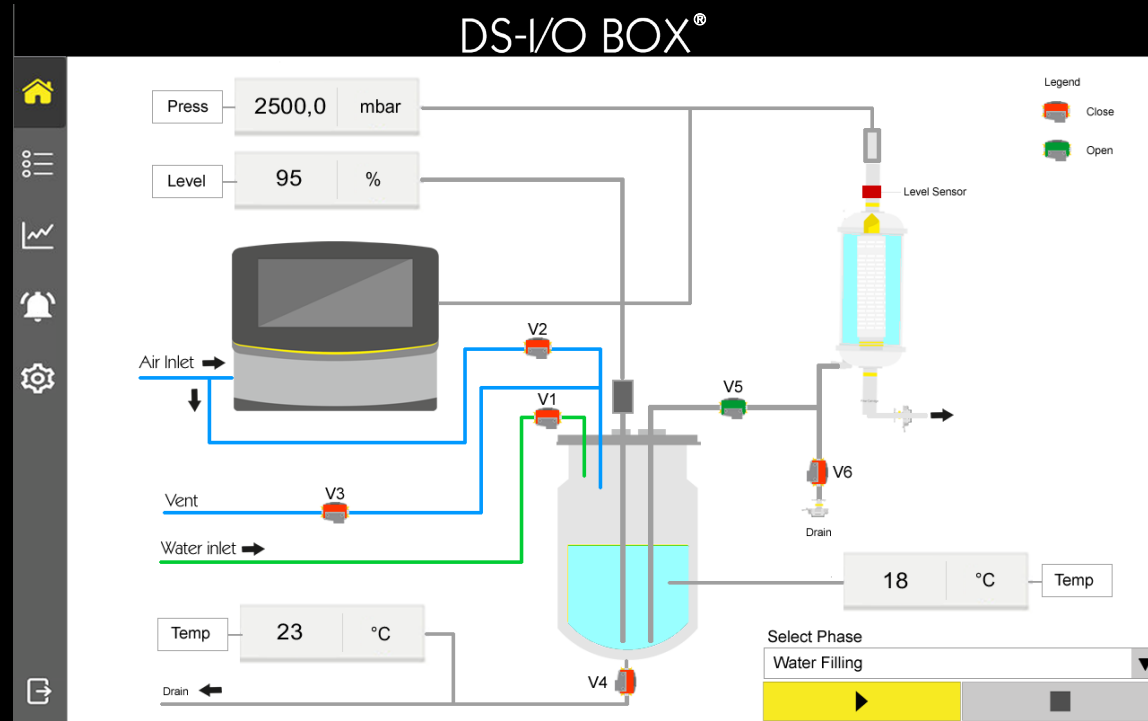
Flexibility

DS-I/O BOX[®]



NEW USER INTERFACE

The system has a modern and intuitive interface that facilitates the operators' work and allows **Real-Time** visualization of the test progress on an HMI positioned on the **DS-I/O BOX[®]** for **WIT Trolley**.



Easy to Use



BATCH ALLARM

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 quick identification and resolution of problems.

DS-I/O BOX®

Utente: Admin Data: 05/07/2024 15:23:52

BATCH	ALARM CLASS	ORIGIN	AREA	ALARM TEXT	MODIFICATION TIME	RAISE TIME	STATUS TEXT
1	Acknowledgement		HMI_RT_1::Alarm	Sistema bloccato	04/07/24 18:12:01	04/07/24 18:12:01	Incoming/Outgoing
2	SystemAlarmWith				05/07/24 10:22:45	05/07/24 10:22:45	Incoming
3	SystemAlarmWith		System/HMI/Run		05/07/24 15:18:03	05/07/24 15:18:03	Incoming
4	Alarm		HMI_RT_1::Alarm	Temperatura Alta	05/07/24 15:18:06	05/07/24 15:18:06	Incoming
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Easy to Use



MULTI-LANGUAGE SUPPORT

The system provides multilingual support to allow multiple users to use it to its fullest without communication problems.



Easy to Use

USER MANAGEMENT

DS-I/O BOX[®] for WIT Trolley 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



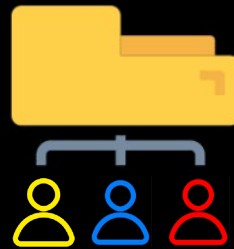
Security



ACTIVE DIRECTORY MODULE

Customer can use their own Microsoft Active directory to let the DS-I/O BOX[®] for WIT Trolley 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 also be exported for auditing purposes.

DS-I/O BOX®

BATCH CALIBRATIONS User Admin Date 05/07/2024 11:54:28

Audit Trail Audit File Audit queries Global Settings

<input type="checkbox"/>	Time stamp	Audit provider	Type	Object reference	Object name	User	Operator station	Operation	Old Value	New Value	Language
<input type="checkbox"/>	7/5/2024, 11:35:36.868	User Management	User management			Admin	Controlroom Client	Updated		Admin	1033
<input type="checkbox"/>	7/5/2024, 11:25:43.807	User Management	User management				Controlroom Client	Updated	Admin		1033
<input type="checkbox"/>	7/5/2024, 11:08:21.590	User Management	User management			Admin	Controlroom Client	Updated		Admin	1033
<input type="checkbox"/>	7/5/2024, 10:48:55.305	User Management	User management				Controlroom Client	Updated	Admin		1033
<input type="checkbox"/>	7/5/2024, 10:25:52.578	User Management	User management			Admin	Controlroom Client	Updated		Admin	1040
<input type="checkbox"/>	7/5/2024, 10:25:23.545	User Management	User management				Controlroom Client	Updated	Service		1040
<input type="checkbox"/>	7/5/2024, 10:23:51.520	User Management	User management			Service	Controlroom Client	Updated	Admin	Service	1040
<input type="checkbox"/>	7/5/2024, 10:23:36.303	User Management	User management			Admin	Controlroom Client	Updated		Admin	1040
<input type="checkbox"/>	7/4/2024, 16:18:25.458	User Management	User management				Controlroom Client	Updated	Admin		1040
<input type="checkbox"/>	7/4/2024, 15:49:24.858	User Management	User management			Admin	Controlroom Client	Updated		Admin	1040

1 2 3 4 5 6 7 8 9 10

Show information



Security

DS-I/O BOX®

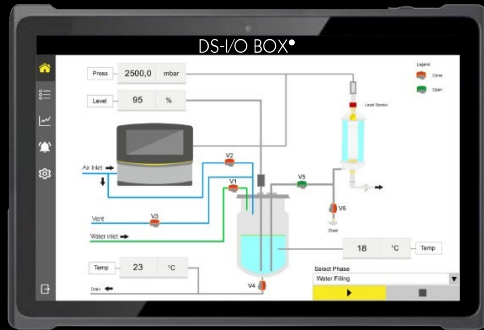
OPC UA CONNECTION

The DS-I/O BOX[®] for WIT Trolley 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 WIT Trolley system is compatible with:

- ✓ OSI PI (via OPC UA connector)
- ✓ MFCS 4 or higher
- ✓ DeltaV

DS-I/O BOX[®] for WIT Trolley



This is an example of Sartochek 5/5 Plus connectivity to an IP 65 industrial PC/tablet to our system.

Sample 3D View



DS-I/O BOX[®] for WIT Trolley

A new concept for carrying out
Water Intrusion Test