



TRACEABILITY GUIDE

Access to data of cleaning process.

Enables to connect, manage, monitor and operate DCT cleaning devices
with help of intuitive user interface.

In various versions of DCT Traceability Option we provide access to cleaning device process data.

BETTER SOLUTIONS



DCT TRACEABILITY VERSION OVERVIEW

PART NO.	DESCRIPTION	FULLFILL INDUSTRY 4.0 REQUIREMENTS	POSSIBLE TO SCAN BARCODES	AVAILABLE FOR:	PAGE:
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1. TRACEABILITY OFFLINE, SD, FILE

10201	Traceability offline, SD card, file	✗	✓	ALL TYPES	3
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2. TRACEABILITY ONLINE, PC WIN, FILE + PC CONFIGURATION

10202	Traceability online, PC WIN, file + PC configuration	✗	✓	ALL TYPES	5
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3. TRACEABILITY ONLINE, PC WIN, OPC SERVER CD, NO FILE

10203	Traceability online, PC WIN, OPC Server CD, no file	✓	✓	ALL TYPES	7
10204	Traceability online, CUSTOMER´S WIN PC,, OPC Server CD, no file	✓	✓		7

4. TRACEABILITY ONLINE, PC WIN, CUSTOMER MES MODIFICATION, NO FILE

10205	Traceability - MES - ASEM BM100 PC + win10	✓	✓	ALL TYPES	9
10206	Traceability - MES - CUSTOMER´S WIN PC, ready for MES	✓	✓		

5. TRACEABILITY FOR ROSE

10208	Traceability ROSE online, PC WIN, file	✗	✓	R.O.S.E. 54	11
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6. TECHNICAL PARAMETERS

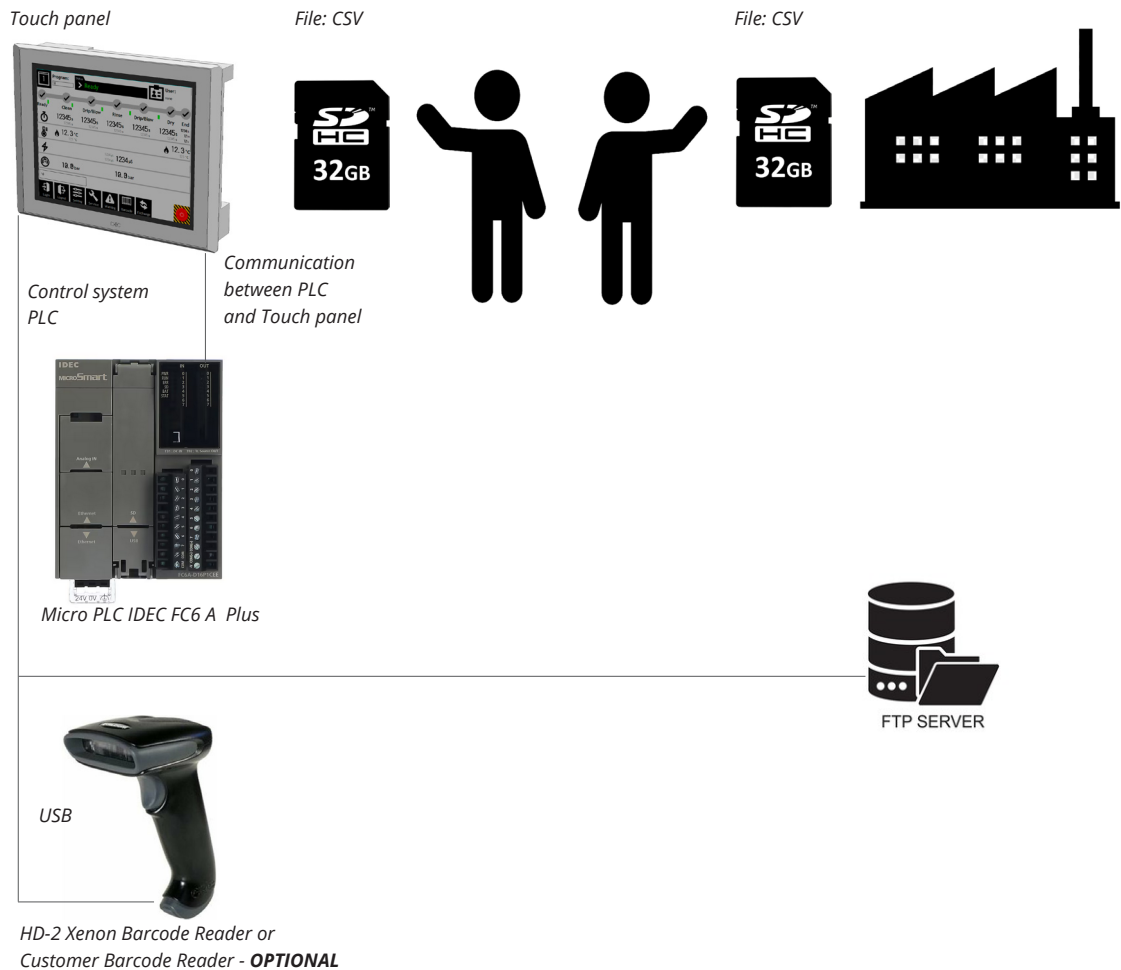
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1. TRACEABILITY OFFLINE, SD CARD, FILE

10201 Traceability offline, save CSV file to SD card

CLEANING DEVICE

CUSTOMER



Basic version of Traceability when general process data like set times, temperatures, conductivity levels, conductivity and cycle number are stored to CSV file in cleaning system touch screen SD card.

PLC is ready for connection of Barcode Reader. Customer can choose standard DCT Barcode Reader or use your own barcode reader, which you need to supply to DCT for setup.

SD card with CSV file is able to remove from cleaning system and copy data to customer's PC or other device for other processing.

Cleaning system is possible to connect to customer's PC or intranet. This version of Traceability not fulfill Industry 4.0 requirements.

Scanning of Barcode is always done after finish of cleaning cycle.

1. TRACEABILITY OFFLINE, SD CARD, FILE

10201 Traceability offline, save CSV file to SD card

→ BASIC LEVEL

PART NUMBER: NAME:

10201	TRACEABILITY OFFLINE, CSV TO SD CARD
	Not fulfill Industry 4.0 requirements
	Output is CSV file stored on SD in touch screen
	Possible to connect cleaning system to intranet or PC
	CSV file is possible to copy from SD card ot USB flash disc
INCLUDE:	Set of basic process data logged to SV file - program number, set process times, set temperatures, conductivity value, total cycle number
	SD card, ready for connection of Barcode Reader
NOT INCLUDE:	Barcode Reader and SW support

→ OPTIONS

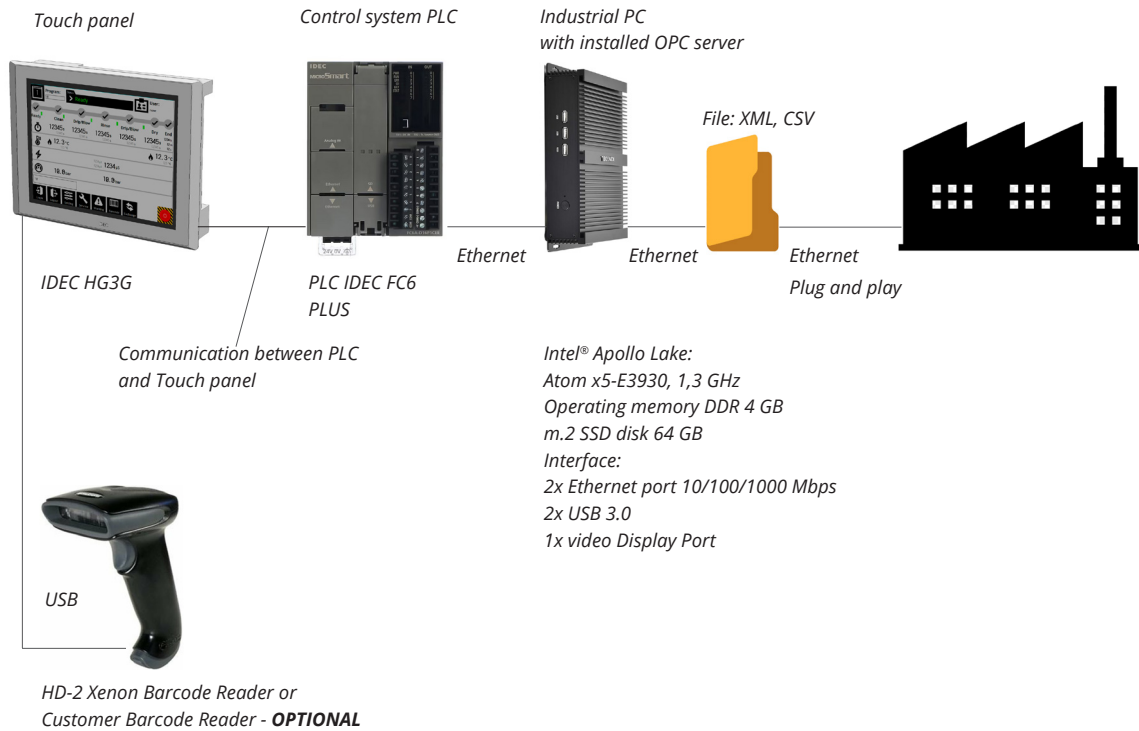
10201A	BARCODE READER 1950HD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, USB cable, holder, installation.
	Bar code logging - SW setup to be able to scan Barcodes after finish of cleaning cycle
10201B	WIRELESS BARCODE READER 1952GHD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, holder, installation.
	Bar code logging - SW setup to be able to scan Barcodes after finish of cleaning cycle
10201C	INSTALATION OF CUSTOMER'S BARCODE READER+ DATA LOG OF SCANNED BARCODES
INCLUDE:	Instalation and setting of customer's Barcode Reader
	Bar code logging - SW setup to be able to scan Barcodes after finish of cleaning cycle
REQUIRE:	Delivery of customer's Barcode Reader to DCT

2. TRACEABILITY ONLINE, PC WIN, FILE + PC CONFIGURATION

10202 Traceability online, PC WIN, save CSV or XML file to PC HDD

CLEANING DEVICE

CUSTOMER



With this version of Traceability is possible to stored process data on embadded industrial PC operated by Windows which is installed directly inside cleaning system. Process data are recorder to CSV or XML file on PC HDD.

PLC is ready for connection of Barcode Reader. Customer can choose standard DCT Barcode Reader or use your own barcode reader, which you need to supply to DCT for setup.

Is possible to set customer's IP address and copy stored data from PC HDD to any device connected to customer's network. This version of Traceability not fulfill Industry 4.0 requirements.

Scanning of Barcode is always done before start of cleaning cycle.

2. TRACEABILITY ONLINE, PC WIN, FILE + PC CONFIGURATION

10202 Traceability online, PC WIN, save CSV or XML file to PC HDD

→ BASIC LEVEL

PART NUMBER:	NAME:
10202	TRACEABILITY ONLINE + PC WIN , SAVE CSV OR XML FILE TO PC HDD
	Not fulfill Industry 4.0 requirements
	Output is CSV or XML file stored on HDD of industrial PC installed in cleaning system
	Is possible to set customer's IP address
INCLUDE:	Set of basic process data logged to SV file - program number, set process times, set temperatures, conductivity value, total cycle number
	PC WIN ASEM B100, installation and setup of embedded PC with Windows, ready for connection of Barcode Reader, user manual
NOT INCLUDE:	Barcode Reader, PC screen and SW support

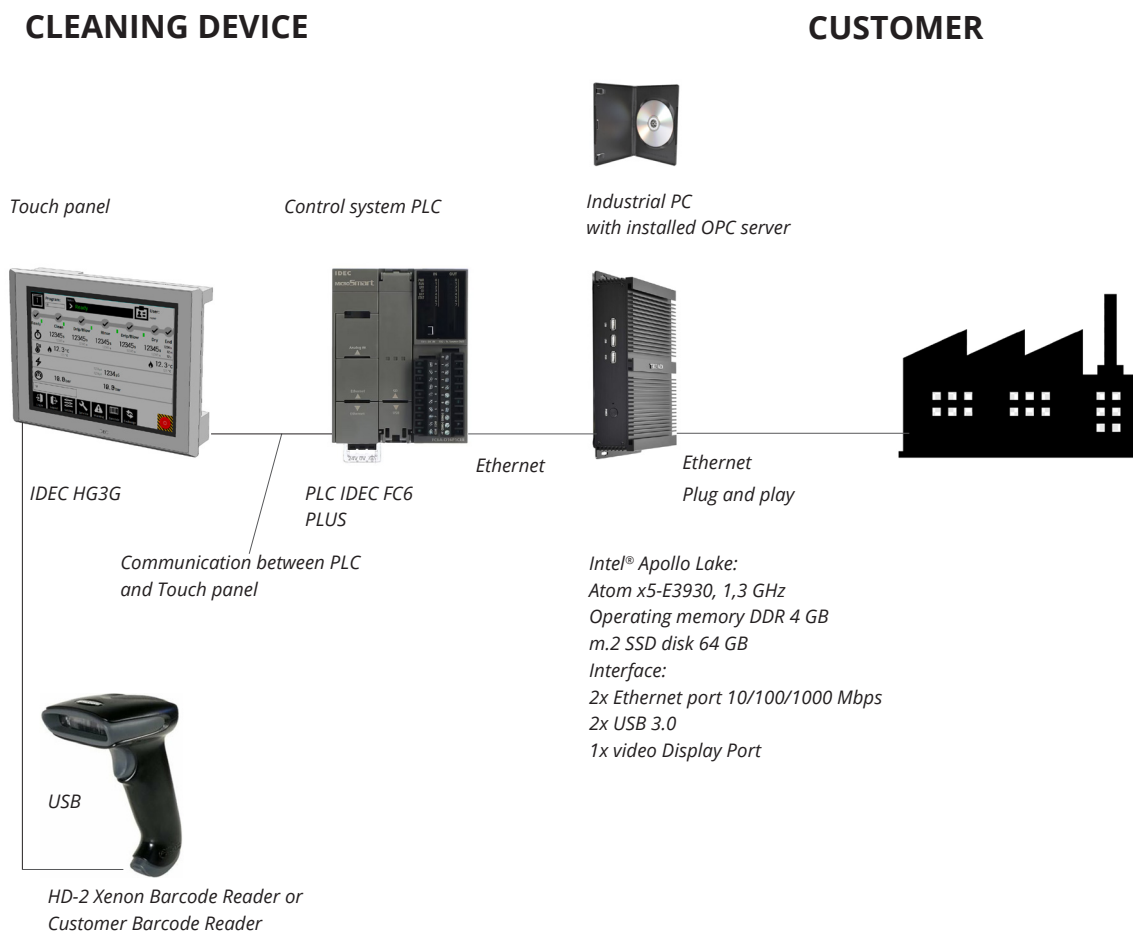
→ OPTIONS

10202A	BARCODE READER 1950HD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, USB cable, holder, installation
	Bar code logging - SW setup to be able to scan Barcodes before start of cleaning cycle + Blocking of process start without barcode scanning - SW setup to be able to choose if Barcode scanning is mandatory to start cleaning cycle
10202B	BARCODE READER 1952GHD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, holder, installation
	Bar code logging - SW setup to be able to scan Barcodes before start of cleaning cycle + Blocking of process start without barcode scanning - SW setup to be able to choose if Barcode scanning is mandatory to start cleaning cycle
10202C	INSTALLATION OF CUSTOMER'S BARCODE READER+ DATA LOG OF SCANNED BARCODES
INCLUDE:	Installation and setting of customer's Barcode Reader
	Bar code logging - SW setup to be able to scan Barcodes before start of cleaning cycle + Blocking of process start without barcode scanning - SW setup to be able to choose if Barcode scanning is mandatory to start cleaning cycle
REQUIRE:	Delivery of customer's Barcode Reader to DCT
10202D	EXTENSION DATA LOG OF SCANNED BARCODES
INCLUDE:	Operator barcode scanning - SW setup to be able to choose if Operator Barcode scanning is mandatory to start cleaning cycle. Selection of cleaning program based on barcode - SW setup when cleaning program is automatically set due to scanned Barcode.

3. TRACEABILITY ONLINE, PC WIN, OPC SERVER CD, NO FILE

10203 Traceability online, PC WIN, OPC Server CD, no file

10204 Traceability online, CUSTOMER´S WIN PC, OPC Server CD, no file



Highest level of DCT Traceability option fulfilling Industry 4.0 requirements, using online connection of cleaning system to customer's network thru DCT manager software.

Output is not file but access to OPC client with online cleaning process data. Customer can use this data for all his own other Traceability operations.

PLC is ready for connection of Barcode Reader. Customer can choose standard DCT Barcode Reader or use your own barcode reader, which you need to supply to DCT for setup.

DCT manager software is installed on embedded industrial WIN PC.

Is possible to set customer's IP address and system is ready connect to Oracle MES system.

OPC client installation and setup is on customers site and is not part of delivery from DCT Czech.

P/N 10203 or 10204 is always necessary to combine with some type of Barcode Reader

3. TRACEABILITY ONLINE, PC WIN, OPC SERVER CD, NO FILE

10203 Traceability online, PC WIN, OPC Server CD, no file

10204 Traceability online, CUSTOMER´S WIN PC, OPC Server CD, no file

→ BASIC LEVEL

PART NUMBER:	NAME:
10203	TRACEABILITY ONLINE + PC WIN + OPC SERVER SW
10204	TRACEABILITY ONLINE + CUSTOMER´S PC WIN + OPC SERVER SW
	Fulfill Industry 4.0 requirements
	Output is not file but access to OPC server with online cleaning process data
	Is possible to set customer's IP address
	Ready connect to Oracle MES system
INCLUDE:	Set of basic process data - program number, set process times, set temperatures, conductivity value, total cycle number, open/close door status, failure status, total stop status
	Ready for connection of Barcode Reader, manual for installation of OPC server + PC WIN/ CUSTOMER´S WIN PC
	DCT manager software installation and setup of connection between PLC and WIN PC
NOT INCLUDE:	Barcode Reader, PC screen and SW support
REQUIRE:	Delivery of customer's Barcode Reader to DCT

→ OPTIONS

10203A	BARCODE READER 1950HD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, USB cable, holder, installation
	Data log of scanned barcodes before the start of the cycle and remote control selection
10203B	BARCODE READER 1952GHD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, holder, installation
	Data log of scanned barcodes before the start of the cycle and remote control selection
10203C	INSTALLATION OF CUSTOMER'S BARCODE READER+ DATA LOG OF SCANNED BARCODES
INCLUDE:	Installation and setting of customer's Barcode Reader
	Data log of scanned barcodes before the start of the cycle and remote control selection
REQUIRE:	Delivery of customer's Barcode Reader to DCT

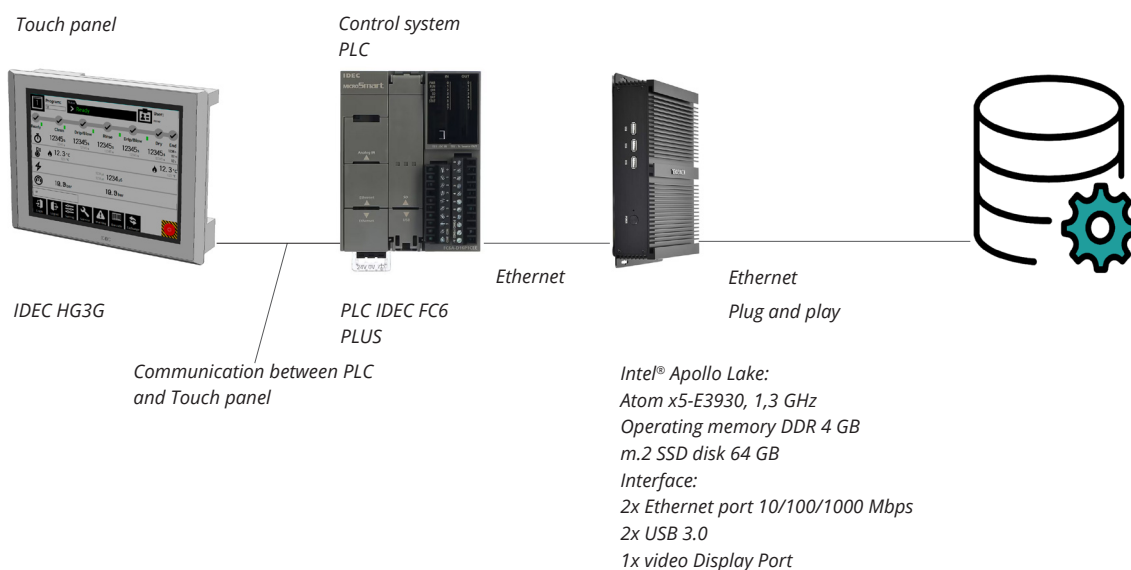
4. TRACEABILITY ONLINE, PC WIN, CUSTOMER MES MODIFICATION, NO FILE

10205 Traceability - MES - ASEM BM100 PC + win10

10206 Traceability - MES - CUSTOMER´S WIN PC, ready for MES

CLEANING DEVICE

CUSTOMER



Highest level of DCT Traceability option fulfilling Industry 4.0 requirements, using online connection of cleaning system to customer's information network. Output is not file but direct access to customer network thru any protocols.

PLC is ready for connection of Barcode Reader. Customer can choose standard DCT Barcode Reader or use your own barcode reader, which you need to supply to DCT for setup.

Is possible to set customer's IP address and system is ready connect to MES system.

From the customer's parent system is possible to control cleaning system (start/stop, reset, choose the program etc.) Final price of this solution is always calculate individually and need to be confirmed by DCT.

Adaptation of the data format for possible storage in the customer's information system.

4. TRACEABILITY ONLINE, PC WIN, CUSTOMER MES MODIFICATION, NO FILE

10205 Traceability - MES - ASEM BM100 PC + win10

10206 Traceability - MES - CUSTOMER´S WIN PC, ready for MES

→ BASIC LEVEL

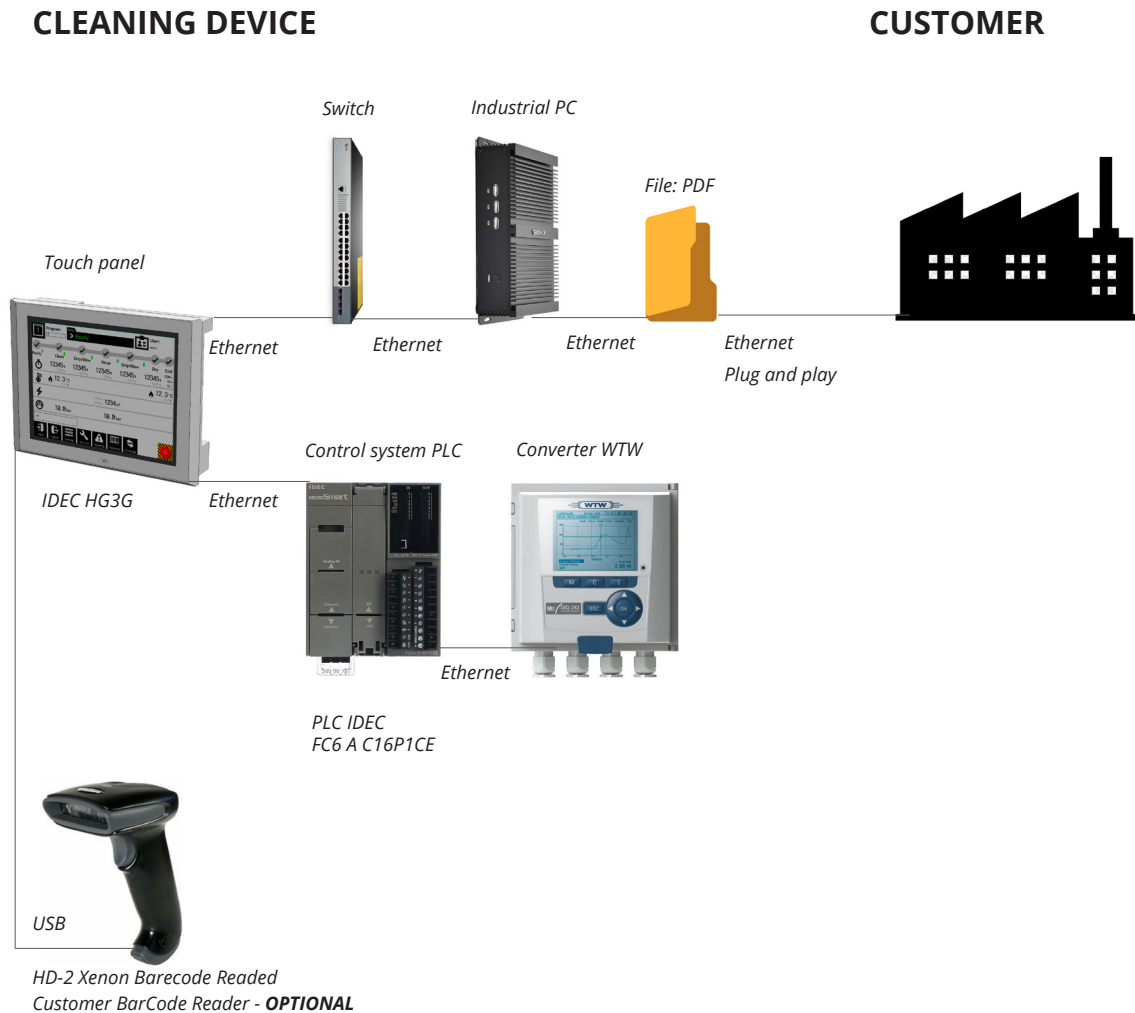
PART NUMBER:	NAME:
10205	TRACEABILITY ONLINE, PC WIN, CUSTOMER MES MODIFICATION, NO FILE
10206	TRACEABILITY ONLINE, CUSTOMER´S PC WIN , CUSTOMER MES MODIFICATION, NO FILE
	Fulfill Industry 4.0 requirements
	Output is not file but direct access to customer network thru TCP/IP protocol
	Is possible to set customer's IP address
	Ready connect to MES system
INCLUDE:	Installation and setup of embedded PC with Windows, ready for connection of Barcode, ready for connection of data from cleaning system to customer's information system
NOT INCLUDE:	Barcode Reader, PC monitor and SW support
REQUIRE:	Delivery of customer's WIN PC to DCT (P/N 10206)
NOTE:	Possibility of customization according to the client's requirements

→ OPTIONS

10205A	CUSTOMER MES SYSTEM ANALYSIS
REQUIRE:	Specification of customer's MES system, communication protocol and customer's requirements
10205B	CUSTOMIZED PROGRAMING, PRICE PER HOUR
INCLUDE:	Programming of software application due to customer's request
10205C	PROGRAM IMPLEMENTATION FOR THE CUSTOMER, PRICE PER HOUR
INCLUDE:	Debugging software at the customer after installation of the cleaning system
NOT INCLUDE:	Travel and accommodation costs

5. TRACEABILITY ROSE ONLINE, BARCODE READER, PC WIN, FILE

10208 Traceability ROSE online, PC WIN, save PDF file to PC HDD



This version of traceability does not fulfill Industry 4.0 requirements.

This version of traceability allows to store the measured data on an integrated industrial PC operated by Windows OS. The PC is installed inside the ROSE tester. Process data are saved as PDF report file on PC HDD.

5. TRACEABILITY ROSE ONLINE, PC WIN, FILE

10208 Traceability ROSE online, PC WIN, save PDF file to PC HDD

→ BASIC LEVEL

PART NUMBER:	NAME:
10208	TRACEABILITY FOR ROSE ONLINE + PC WIN + BARCODE READER, SAVE PDF FILE TO PC HDD
	Not fulfill Industry 4.0 requirements
	Output is PDF file stored on HDD of industrial PC installed in ROSE tester
	Is possible to set customer's IP address
INCLUDE:	Installation and setup of embedded PC with Windows, ready for connection of Barcode Reader, user manual
NOT INCLUDE:	Barcode Reader, PC screen and SW support

→ OPTIONS

10208A	BARCODE READER 1950HD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, USB cable, holder, installation
	SW setup to be able to scan Barcodes before start of test
10208B	BARCODE READER 1952GHD-2 XENON + DATA LOG OF SCANNED BARCODES
INCLUDE:	Barcode Reader, holder, installation
	SW setup to be able to scan Barcodes before start of test
101208C	INSTALATION OF CUSTOMER'S BARCODE READER + + DATA LOG OF SCANNED BARCODES
INCLUDE:	Instalation and setting of customer's Barcode Reader
	SW setup to be able to scan Barcodes before start of test
REQUIRE:	Delivery of customer's Barcode Reader to DCT
10208D	OPERATOR BARCODE SCANNING
INCLUDE:	SW setup to be able to choose if Operator Barcode scanning is mandatory to start cleaning cycle.

6. TECHNICAL PARAMETRES



Type of PLC: For cleaning system	PLC IDEC FC6A-D16P1CEE
Type of PLC: For ROSE	PLC IDEC FC6A-C16P1CE
Type of Barcode Reader	Honeywell 1950HD-2 Xenon, 1952GHD-2 Xenon
Type of industrial PC WIN	Intel® Apollo Lake: Atom x5-E3930, 1,3 GHz
	Operating memory 4 GB DDR, SSD disk
	2x Ethernet port 10/100/1000 Mbps
	2x USB 3.0
	1x video Display Port
	Microsoft Windows 10 IoT Enterprise 2019 64bit
Type of OPC Server software	DCT manager + OPC

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For more information you can contact DCT specialist in your country or the manufacturer directly.

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