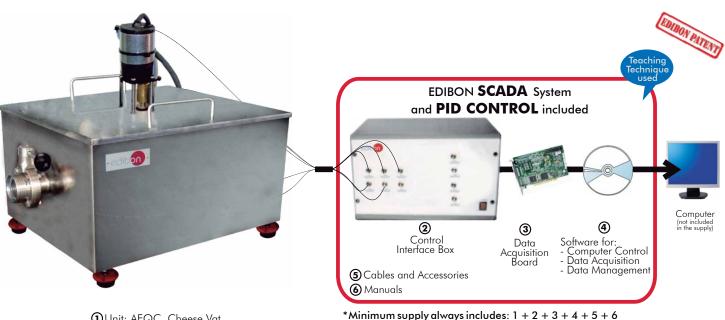


Computer Controlled Cheese Vat, with SCADA and PID Control



and Cheese Making Accessories

AEQC-A



(Computer not included in the supply)

1) Unit: AEQC. Cheese Vat

Key features:

- Advanced Real-Time SCADA and PID Control.
- Open Control + Multicontrol + Real-Time Control.
- Specialized EDIBON Control Software based on Labview.
- National Instruments Data Acquisition board (250 KS/s, kilo samples per second).
- Calibration exercises, which are included, teach the user how to calibrate a sensor and the importance of checking the accuracy of the sensors before taking measurements.
- Projector and/or electronic whiteboard compatibility allows the unit to be explained and demonstrated to an entire class at one time.
- Capable of doing applied research, real industrial simulation, training courses, etc.
- Remote operation and control by the user and remote control for EDIBON technical support, are always included.
- Totally safe, utilizing 4 safety systems (Mechanical, Electrical, Electronic & Software).
- Designed and manufactured under several quality standards.
- Optional CAL software helps the user perform calculations and comprehend the results.
- This unit has been designed for future expansion and integration. A common expansion is the EDIBON Scada-Net (ESN) System which enables multiple students to simultaneously operate many units in a network.

For more information about Key Features, click here:









OPEN CONTROL MULTICONTROL REAL TIME CONTROL





Worlddidac Quality Charter Certificate (Worlddidac Member)



(total safety)

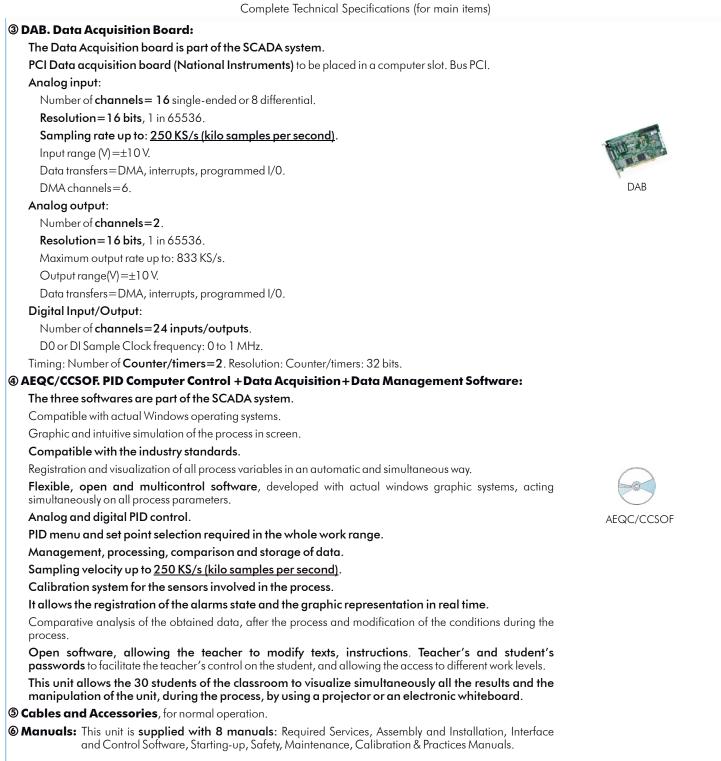
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Certificates ISO 14000 and Management and Audit Scheme (environmental management) ECO



Possibility of automatization of the actuators involved in the process.

Three safety levels, one mechanical in the unit, another electronic in the control interface and the third one in the control software.



References 1 to 6 are the main items: AEQC + AEQC/CIB + DAB + AEQC/CCSOF + Cables and Accessories + Manuals are included in the minimum supply for enabling normal and full operation.

EXERCISES AND PRACTICAL POSSIBILITIES TO BE DONE WITH MAIN ITEMS

Study and investigation of the processes for the cheese production:

- 1.- Heating and agitating milk.
- 2.- Holding milk at exact temperature for addition of starter culture and rennet.
- 3.- Holding at temperature during coagulation.
- 4.- Cutting and heating the curd. Heating and agitating accurately to "scald" the curd.
- 5.- To maintain the higher temperature and agitating during more time.
- 6.- Settling the curd.
- 7.- To draw the whey.
- 8.- Milling.
- 9.- Addition of salt.
- 10.-Temperature control.
- 11.-pH control.
- 12.-Using the optional accessories: Cheese Making Accessories (AEQC-A), it is possible to carry out these operations: pressing, curd cutting, cheddaring, etc.

Additional practical possibilities:

- 13.-Sensors calibration.
- Other possibilities to be done with this Unit:
- 14.-Many students view results simultaneously.

To view all results in real time in the classroom by means of a projector or an electronic whiteboard.

15.-Open Control, Multicontrol and Real Time Control.

This unit allows intrinsically and/or extrinsically to change the span, gains; proportional, integral, derivate parameters; etc., in real time.

REQUIRED SERVICES

-Electrical supply: single-phase, 220 V/50 Hz. or 110 V/60 Hz. -Computer (PC).

- 16.-The Computer Control System with SCADA and PID Control allow a real industrial simulation.
- 17.-This unit is totally safe as uses mechanical, electrical and electronic, and software safety devices.
- 18.-This unit can be used for doing applied research.
- 19.-This unit can be used for giving training courses to Industries even to other Technical Education Institutions.
- 20.-Control of the AEQC unit process through the control interface box without the computer.
- 21.-Visualization of all the sensors values used in the AEQC unit process.
- By using PLC-PI additional 19 more exercises can be done.
- Several other exercises can be done and designed by the user.

DIMENSIONS & WEIGHTS

AEQC: Unit:

-Dimensions: 600 x 350 x 450 mm. approx. (23.62 x 13.78 x 17.71 inches approx.)

-Weight: 55 Kg. approx. (121 pounds approx.).

Control Interface Box:-Dimensions:490 x 330 x 310 mm. approx. (19.29 x 12.99 x 12.20 inches approx.). -Weight: 15 Kg. approx.

(33 pounds approx.).

OPTIONAL ACCESSORIES

- AEQC-A. Cheese Making Accessories:

Designed to be used with the Computer Controlled Cheese Vat (AEQC).

All metallic elements in stainless steel.

Using these accessories operations as: curd cutting, cheddaring, pressing and pH determination (chemical) can be carry out.

- Vertical blade curd knife.
- Horizontal blade curd knife.
- Cheese press with set of moulds.
- Cheddaring box with set of weights, for studying the traditional cheese cheddar process.
- Kit for acid testing including: burette, pipette, stirring rod, dropping bottle and chemicals, etc.

COMPLETE TECHNICAL SPECIFICATIONS (for optional items)

Additionally to the main items (1 to 6) described, we can offer, as optional, other items from 7 to 12.

All these items try to give more possibilities for:

a) Industrial configuration. (PLC)

b) Technical and Vocational Education configuration. (CAI and FSS)

c) Higher Education and/or Technical and Vocational Education configuration. (CAL)

d) Multipost Expansions options. (Mini ESN and ESN)

a) Industrial configuration

②PLC. Industrial Control using PLC (it includes PLC-PI Module plus PLC-SOF Control Software):

PLC-PI. PLC Module:

Metallic box

Circuit diagram in the module front panel.

Front panel:

Digital inputs(X) and Digital outputs (Y) block:

16 Digital inputs, activated by switches and 16 LEDs for confirmation (red) 14 Digital outputs (through SCSI connector) with 14 LEDs for message (green).

Analog inputs block:

16 Analog inputs (-10 V. to + 10 V.) (through SCSI connector).

Analog outputs block:

4 Analog outputs (-10 V. to + 10 V.) (through SCSI connector).

Touch screen:

High visibility and multiple functions. Display of a highly visible status. Recipe function. Bar graph function. Flow display function. Alarm list. Multi language function. True type fonts.

Back panel:

Power supply connector. Fuse 2A. RS-232 connector to PC. USB 2.0 connector to PC.

Inside

Power supply outputs: 24 Vdc, 12 Vdc, -12 Vdc, 12 Vdc variable. Panasonic PLC:

High-speed scan of 0.32 µsec. for a basic instruction. Program capacity of 32 Ksteps, with a sufficient comment area.

Power supply input (100 to 240 VAC). DC input: 16 (24 V DC).

Relay output: 14.

High-speed counter.

Multi-point PID control

Digital inputs/outputs and analog inputs/outputs Panasonic modules.

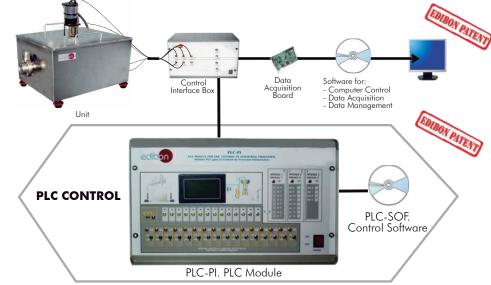
Communication RS232 wire to computer (PC).

Dimensions: 490 x 330 x 310 mm. approx. (19.29 x 12.99 x 12.20 inches approx.). Weight: 30 Kg. approx. (66 pounds approx.).

AEQC/PLC-SOF. PLC Control Software:

For this particular unit, always included with PLC supply.

The software has been designed using Labview and it follows the unit operation procedure and linked with the Control Interface Box used in the Computer Controlled Cheese Vat (AEQC).



Practices to be done with PLC-PI:

- 1.-Control of the AEQC unit process through the control interface box without the computer.
- Visualization of all the sensors values used in the AEQC unit process. 2.-
- 3.- Calibration of all sensors included in the AEQC unit process.
- Hand on of all the actuators involved in the AEQC unit process. 4.-
- Realization of different experiments, in automatic way, without having in 5.front the unit. (This experiment can be decided previously).
- 6.-Simulation of outside actions, in the cases hardware elements do not exist. (Example: test of complementary tanks, complementary industrial environment to the process to be studied, etc).
- 7.-PLC hardware general use and manipulation.
- PLC process application for AEQC unit. 8.-
- 9.-PLC structure.

- 10.- PLC inputs and outputs configuration.
 - 11.- PLC configuration possibilities.
 - 12.- PLC programming languages.
 - 13.- PLC different programming standard languages.
 - 14.- New configuration and development of new process.
 - 15.- Hand on an established process.
 - 16.- To visualize and see the results and to make comparisons with the AEQC unit process.
 - 17.- Possibility of creating new process in relation with the AEQC unit.
 - 18.- PLC Programming exercises.
 - 19.- Own PLC applications in accordance with teacher and student requirements.

b) Technical and Vocational Education configuration

⑧ AEQC/CAI. Computer Aided Instruction Software System.

This complete package included two Softwares: the INS/ SOF. Classroom Management Software (Instructor Software) and the AEQC/SOF. Computer Aided Instruction Software (Student Software).

This software is optional and can be used additionally to items (1 to 6).

This complete package consists on an Instructor Software (INS/ SOF) totally integrated with the Student Software (AEQC/SOF). Both are interconnected so that the teacher knows at any moment what is the theoretical and practical knowledge of the students. These, on the other hand, get a virtual instructor who helps them to deal with all the information on the subject of study.

- INS/SOF. Classroom Management Software (Instructor Software): The Instructor can:
 - Organize Students by Classes and Groups.
 - Create easily new entries or delete them.
 - Create data bases with student information.
 - Analyze results and make statistical comparisons.

Print reports.

- Develop own examinations.
- Detect student's progress and difficulties.
- ...and many other facilities.
- AEQC/SOF. Computer Aided Instruction Software (Student Software):

It explains how to use the unit, run the experiments and what to do at any moment This Software contains:

- Theory.
- Exercises.

Guided Practices.

Exams.

For more information see CAI catalogue. Click on the following link: www.edibon.com/products/catalogues/en/CAI.pdf

CAI

Faults Simulation System (FSS) is a Software package that simulates several faults in any EDIBON Computer Controlled Unit. It is useful for Technical and Vocational level

The "FAULTS" mode consists on causing several faults in the unit normal operation. The student must find them and solve them.

There are several kinds of faults that can be grouped in the following sections:

Faults affecting the sensors measurement:

- An incorrect calibration is applied to them.
- Non-linearity.

Faults affecting the actuators:

- Actuators channels interchange at any time during the program execution.
- Response reduction of an actuator.

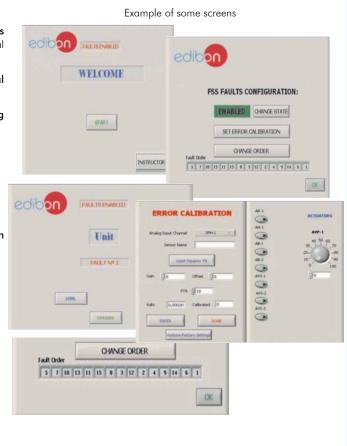
Faults in the controls execution:

- Inversion of the performance in ON/OFF controls.
- Reduction or increase of the calculated total response.
- The action of some controls is annulled.

On/off faults:

- Several on/off faults can be included.

For more information see **FSS** catalogue. Click on the following link: www.edibon.com/products/catalogues/en/FSS.pdf







c) <u>Higher Education and/or Technical and Vocational Education configuration</u>

🔞 AEQC/CAL. Computer Aided Learning Software (Results Calculation and Analysis).

This Computer Aided Learning Software (CAL) is a Windows based software, simple and very easy to use, specifically developed by EDIBON. It is very useful for Higher Education level.

CAL is a class assistant that helps in making the necessary calculations to extract the right conclusions from data obtained during the experimental practices.

CAL will perform the calculations.

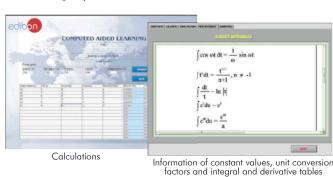
CAL computes the value of all the variables involved.

It allows to plot and print the results. Between the plotting options, any variable can be represented against any other.

Different plotting displays.

It has a wide range of information, such as constant values, unit conversion factors and integral and derivative tables.

For more information see **CAL** catalogue. Click on the following link: <u>www.edibon.com/products/catalogues/en/CAL.pdf</u>





d) Multipost Expansions options

1) Mini ESN. EDIBON Mini Scada-Net System.

Mini ESN. EDIBON Mini Scada-Net System allows up to 30 students to work with a Teaching Unit in any laboratory, simultaneously. It is useful for both, Higher Education and/or Technical and Vocational Education.

The Mini ESN system consists on the adaptation of any EDIBON Computer Controlled Unit with SCADA and PID Control integrated in a local network.

This system allows to view/control the unit remotely, from any computer integrated in the local net (in the classroom), through the main computer connected to the unit. Then, the number of possible users who can work with the same unit is higher than in an usual way of working (usually only one).

Main characteristics:

- It allows up to 30 students to work simultaneously with the EDIBON Computer Controlled Unit with SCADA and PID Control, connected in a local net.
- Open Control + Multicontrol + Real Time Control + Multi Student Post.
- Instructor controls and explains to all students at the same time.
- Any user/student can work doing "real time" control/multicontrol and visualisation.
- Instructor can see in the computer what any user/student is doing in the unit.
- Continuous communication between the instructor and all the users/ students connected.

Main advantages:

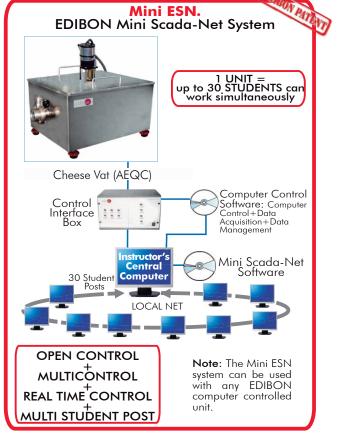
- It allows an easier and quicker understanding.
- This system allows you can safe time and cost.
- Future expansions with more EDIBON Units.

For more information see Mini ESN catalogue. Click on the following link: <u>www.edibon.com/products/catalogues/en/Mini-ESN.pdf</u>

ESN. EDIBON Scada-Net System.

This unit can be integrated, in future, in a Complete Laboratory with many Units and many Students.

For more information see **ESN** catalogue. Click on the following link: <u>www.edibon.com/products/catalogues/en/units/foodwatertechnologies/esn-foodtechnology/ESN-FOOD_TECHNOLOGY.pdf</u>



Main items (always included in the supply)	Optional items (supplied under specific order) a) <u>Industrial configuration</u>
Minimum supply always includes:	O PLC. Industrial Control using PLC (it includes PLC-PI Module plus PLC-SOF
① Unit: AEQC. Cheese Vat.	Control Software): - PCL-PL PLC Module.
② AEQC/CIB. Control Interface Box.	- FCL-FL FLC Module. - AEQC/PLC-SOF. PLC Control Software.
③ DAB. Data Acquisition Board.	
④ AEQC/CCSOF. PID Computer Control + Data Acquisition + Data Management Software.	b) Technical and Vocational configuration
	AEQC/CAI. Computer Aided Instruction Software System.
(5) Cables and Accessories, for normal operation.	AEQC/FSS. Faults Simulation System.
(6) Manuals.	
	c) Higher Education and/or Technical and Vocational Education configuration
* <u>IMPORTANT:</u> Under <u>AEQC</u> we always supply all the elements for immediate running as 1, 2, 3, 4, 5 and 6.	MAEQC/CAL. Computer Aided Learning Software (Results Calculation and Analysis).
	d) Multipost Expansions options
	🕦 Mini ESN. EDIBON Mini Scada-Net System.
	😢 ESN. EDIBON Scada-Net System.

TENDER SPECIFICATIONS (for main items)

1 AEQC. Unit:

The Cheese Vat (AEQC) provides practical training in the production of cheese, and it can be an ideal unit for applied research.

The vat is manufactured in stainless steel.

Vat working capacity of 10 litres approx.

Agitator, computer controlled.

Perforated strainer fits into the vat outlet to facilitate efficient draining.

Outlet valve.

Heating resistance, computer controlled. Water is circulated through a vat jacket.

Circulating pump, computer controlled.

Over-temperature cut-out device.

Sensors:

pH sensor

Temperature sensors.

The complete unit includes as well: Advanced Real-Time SCADA and PID Control.

Open Control + Multicontrol + Real-Time Control.

Specialized EDIBON Control Software based on Labview.

National Instruments Data Acquisition board (250 KS/s , kilo samples per second).

Calibration exercises, which are included, teach the user how to calibrate a sensor and the importance of checking the accuracy of the sensors before taking measurements.

Projector and/or electronic whiteboard compatibility allows the unit to be explained and demonstrated to an entire class at one time.

Capable of doing applied research, real industrial simulation, training courses, etc.

Remote operation and control by the user and remote control for EDIBON technical support, are always included.

Totally safe, utilizing 4 safety systems (Mechanical, Electrical, Electronic & Software).

Designed and manufactured under several quality standards.

Optional CAL software helps the user perform calculations and comprehend the results.

This unit has been designed for future expansion and integration. A common expansion is the EDIBON Scada-Net (ESN) System which enables multiple students to simultaneously operate many units in a network.

Optional (not included in the minimum supply):

AEQC-A. Cheese Making Accessories:

Designed to be used with the Computer Controlled Cheese Vat (AEQC).

All metallic elements in stainless steel.

Using these accessories operations as: curd cutting, cheddaring, pressing and pH determination (chemical) can be carry out.

- Vertical blade curd knife.

- Horizontal blade curd knife.

- Cheese press with set of moulds.

- Cheddaring box with set of weights, for studying the traditional cheese cheddar process.

- Kit for acid testing including: burette, pipette, stirring rod, dropping bottle and chemicals, etc.

② AEQC/CIB. Control Interface Box:

The Control Interface Box is part of the SCADA system. Control interface box with process diagram in the front panel.

The unit control elements are permanently computer controlled.

Simultaneous visualization in the computer of all parameters involved in the process.

Calibration of all sensors involved in the process.

Real time curves representation about system responses.

All the actuators' values can be changed at any time from the keyboard allowing the analysis about curves and responses of the whole process.

Shield and filtered signals to avoid external interferences.

Real time PID control with flexibility of modifications from the computer keyboard of the PID parameters, at any moment during the process.

Real time PID control for parameters involved in the process simultaneously.

Proportional control, integral control and derivative control, based on the real PID mathematical formula, by changing the values, at any time, of the three control constants (proportional, integral and derivative constants).

Open control allowing modifications, at any moment and in real time, of parameters involved in the process simultaneously.

Three safety levels, one mechanical in the unit, another electronic in the control interface and the third one in the control software.

③ DAB. Data Acquisition Board:

The Data Acquisition board is part of the SCADA system.

PCI Data acquisition board (National Instruments) to be placed in a computer slot.

Analog input: Channels= 16 single-ended or 8 differential. Resolution=16 bits, 1 in 65536. Sampling rate up to: 250 KS/s (kilo samples per second). Analog output: Channels=2. Resolution=16 bits, 1 in 65536.

Digital Input/Output: Channels=24 inputs/outputs.

④ AEQC/CCSOF. PID Computer Control + Data Acquisition + Data Management Software:

The three softwares are part of the SCADA system.

Compatible with the industry standards.

Flexible, open and multicontrol software, developed with actual windows graphic systems, acting simultaneously on all process parameters.

Analog and digital PID control. PID menu and set point selection required in the whole work range.

Management, processing, comparison and storage of data.

Sampling velocity up to 250 KS/s (kilo samples per second).

Calibration system for the sensors involved in the process.

It allows the registration of the alarms state and the graphic representation in real time.

Open software, allowing the teacher to modify texts, instructions. Teacher's and student's passwords to facilitate the teacher's control on the student, and allowing the access to different work levels.

This unit allows the 30 students of the classroom to visualize simultaneously all the results and the manipulation of the unit, during the process, by using a projector or an electronic whiteboard.

(5) Cables and Accessories, for normal operation.

(6) Manuals: This unit is supplied with 8 manuals: Required Services, Assembly and Installation, Interface and Control Software, Starting-up, Safety, Maintenance, Calibration & Practices Manuals.

Exercises and Practical Possibilities to be done with Main Items

Study and investigation of the processes for the cheese production:

- 1.- Heating and agitating milk.
- 2.- Holding milk at exact temperature for addition of starter culture and rennet.
- 3.- Holding at temperature during coagulation.
- 4.- Cutting and heating the curd. Heating and agitating accurately to "scald" the curd.
- 5.- To maintain the higher temperature and agitating during more time.
- 6.- Settling the curd.
- 7.- To draw the whey.
- 8.- Milling.
- 9.- Addition of salt.
- 10.- Temperature control.
- 11.- pH control.

12.- Using the optional accessories: Cheese Making Accessories (AEQC-A), it is possible to carry out these operations: pressing, curd cutting, cheddaring, etc. Additional practical possibilities:

- 13.- Sensors calibration.
- Other possibilities to be done with this Unit: 14.- Many students view results simultaneously.
 - To view all results in real time in the classroom by means of a projector or an electronic whiteboard.
- 15.- Open Control, Multicontrol and Real Time Control.
- This unit allows intrinsically and/or extrinsically to change the span, gains; proportional, integral, derivate parameters; etc., in real time.
- 16.- The Computer Control System with SCADA and PID Control allow a real industrial simulation.
- 17.- This unit is totally safe as uses mechanical, electrical and electronic, and software safety devices.
- 18.- This unit can be used for doing applied research.
- 19.- This unit can be used for giving training courses to Industries even to other Technical Education Institutions.
- 20.- Control of the AEQC unit process through the control interface box without the computer.
- 21.- Visualization of all the sensors values used in the AEQC unit process.
- By using PLC-PI additional 19 more exercises can be done.
- Several other exercises can be done and designed by the user.

a) Industrial configuration

OPLC. Industrial Control using PLC (it includes PLC-PI Module plus PLC-SOF Control Software):

-PLC-PI. PLC Module:

Metallic box.

Circuit diagram in the module front panel.

Digital inputs(X) and Digital outputs (Y) block: 16 Digital inputs. 14 Digital outputs.

Analog inputs block: 16 Analog inputs.

Analog outputs block: 4 Analog outputs.

Touch screen. Panasonic PLC:

High-speed scan of 0.32 µsec. Program capacity of 32 Ksteps. High-speed counter. Multi-point PID control.

Digital inputs/outputs and analog inputs/outputs Panasonic modules.

-AEQC/PLC-SOF. PLC Control Software:

For this particular unit, always included with PLC supply.

Practices to be done with PLC-PI:

- 1.- Control of the AEQC unit process through the control interface box without the computer.
- 2.- Visualization of all the sensors values used in the AEQC unit process.
- 3.- Calibration of all sensors included in the AEQC unit process.
- 4.- Hand on of all the actuators involved in the AEQC unit process.
- 5.- Realization of different experiments, in automatic way, without having in front the unit. (This experiment can be decided previously).
- 6.- Simulation of outside actions, in the cases hardware elements do not exist. (Example: test of complementary tanks, complementary industrial environment to the process to be studied, etc).
- 7.- PLC hardware general use and manipulation.
- 8.- PLC process application for AEQC unit.
- 9.- PLC structure.
- 10.- PLC inputs and outputs configuration.
- 11.- PLC configuration possibilities.
- 12.- PLC programming languages.
- 13.- PLC different programming standard languages.
- 14.- New configuration and development of new process.
- 15.- Hand on an established process.
- 16.- To visualize and see the results and to make comparisons with the AEQC unit process.
- 17.- Possibility of creating new process in relation with the AEQC unit.
- 18.- PLC Programming exercises.
- 19.- Own PLC applications in accordance with teacher and student requirements.

b) Technical and Vocational Education configuration

⑧ AEQC/CAI. Computer Aided Instruction Software System.

This complete package consists on an Instructor Software (INS/ SOF) totally integrated with the Student Software (AEQC/SOF).

-INS/SOF. Classroom Management Software (Instructor Software):

The Instructor can:

Organize Students by Classes and Groups.

Create easily new entries or delete them.

Create data bases with student information.

Analyze results and make statistical comparisons.

Print reports.

Develop own examinations.

Detect student's progress and difficulties.

-AEQC/SOF. Computer Aided Instruction Software (Student Software):

It explains how to use the unit, run the experiments and what to do at any moment.

This Software contains:

- Theory.
- , Exercises.

Guided Practices.

Exams.

Faults Simulation System (FSS) is a Software package that simulates several faults in any EDIBON Computer Controlled Unit. The "FAULTS" mode consists on causing several faults in the unit normal operation. The student must find them and solve them. There are several kinds of faults that can be grouped in the following sections:

Faults affecting the sensors measurement:

- An incorrect calibration is applied to them.
- Non-linearity.
- Faults affecting the actuators:
 - Actuators channels interchange at any time during the program execution.
 - Response reduction of an actuator.

Faults in the controls execution:

- Inversion of the performance in ON/OFF controls.
- Reduction or increase of the calculated total response.
- The action of some controls is annulled.

On/off faults:

- Several on/off faults can be included.

c) <u>Higher Education and/or Technical and Vocational Education configuration</u>

10 AEQC/CAL. Computer Aided Learning Software (Results Calculation and Analysis).

This Computer Aided Learning Software (CAL) is a Windows based software, simple and very easy to use.

CAL is a class assistant that helps in making the necessary calculations to extract the right conclusions from data obtained during the experimental practices. CAL will perform the calculations.

CAL computes the value of all the variables involved.

It allows to plot and print the results. Between the plotting options, any variable can be represented against any other.

Different plotting displays.

It has a wide range of information, such as constant values, unit conversion factors and integral and derivative tables.

d) Multipost Expansions options

1 Mini ESN. EDIBON Mini Scada-Net System.

EDIBON Mini Scada-Net System allows up to 30 students to work with a Teaching Unit in any laboratory, simultaneously.

The Mini ESN system consists on the adaptation of any EDIBON Computer Controlled Unit with SCADA and PID Control integrated in a local network.

This system allows to view/control the unit remotely, from any computer integrated in the local net (in the classroom), through the main computer connected to the unit.

Main characteristics:

-It allows up to 30 students to work simultaneously with the EDIBON Computer Controlled Unit with SCADA and PID Control, connected in a local net.

-Open Control + Multicontrol + Real Time Control + Multi Student Post.

-Instructor controls and explains to all students at the same time.

-Any user/student can work doing "real time" control/multicontrol and visualisation.

-Instructor can see in the computer what any user/student is doing in the unit.

-Continuous communication between the instructor and all the users/students connected.

Main advantages:

-It allows an easier and quicker understanding.

-This system allows you can safe time and cost.

-Future expansions with more EDIBON Units.

The system basically will consist of:

This system is used with a Computer Controlled Unit.

-Instructor's computer.

-Students' computers.

-Local Network.

-Unit-Control Interface adaptation.

-Unit Software adaptation.

-Webcam.

-Mini ESN Software to control the whole system.

-Cables and accessories required for a normal operation.

*Specifications subject to change without previous notice, due to the convenience of improvements of the product.



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