Becatron AG

Controller for Dyeing Machine

Touch 5 X86

The Datex Touch 5 X86 is a huge touch screen controller with external I/O's. This controller combines a friendly color touch screen interface, a huge desgin of controller and software and many other usefull features.

Touch 5

Dye process control has never been better than with the Datex Touch 5. Running on the Windows CE operating systems, it is the ideal choice for an automation of dyeing machine. The onboard and external modular I/O of the Datex Touch 5 can be configured to exactly meet the requirements of all types of dyeing machines.

Touch Pico

Datex Touch Pico is the smallest control unit in the Becatron Touch Family. Different versions of this extremely flexible control unit can be loaded, and can be used as an independent control unit for laboratory dyeing machines in the form of a time/temperature controller or a pH controller.

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TECHNICAL INFORMATION

Datex Touch Pico

Display: 3.5" / 480 x 320 pixel / touch screen

Internal I/O:
- 2 digital inputs
- 5 digital relay outputs
- 1 PT100 inputs
- 1 analogue outputs 0/4 - 20mA

Interfaces:
- RS232-USB for PC-programming tools
- WIFI (Option): Link to BeCAmaster

Power supply: 24V DC, 0.15 A

Ambient temperature: 0 - 50°C (32 - 122°F)

Dimensions: 120 x 88 x 30 mm (w x h x d)

Panel cut out: 110 x 78 (w x h) ± 1 mm

Datex Touch 5

Display: 7" / 800 x 480 pixel / touch screen

Internal I/O:
- 16 digital inputs
- 20 digital relay outputs
- 1 / 2 PT100 inputs
- 7 / 6 analogue inputs 0/4 - 20mA
- 4 analogue outputs 0/4 - 20mA
- 4 fast counter inputs
- Add external I/O until 64 / 64

Interfaces:
- RS232 for PC-programming tools
- Ethernet: Link to BeCAmaster
- USB for memory key and peripherals

Power supply: 24V DC, 1,5 A

Ambient temperature: 0 - 50°C (32 - 122°F)

Dimensions: 215 x 155 x 85 mm (w x h x d)

Panel cut out: 200 x 140 (w x h) ± 1 mm

Datex Touch 5 X86

Display: 12.1" / 800 x 600 pixel / touch screen

External I/O:
- Until 64 digital inputs
- Until 64 digital outputs
- 1 / 2 PT100 inputs
- 7 / 6 analogue inputs 0/4 - 20mA
- 4 analogue outputs 0/4 - 20mA
- 4 fast counter inputs

Interfaces:
- RS232 for PC-programming tools
- Ethernet: Link to BeCAmaster
- USB for memory key and peripherals

Power supply: 12V DC, 2.5 A

Ambient temperature: 0 - 50°C (32 - 122°F)

Dimensions: 345 x 265 x 40 mm (w x h x d)

Panel cut out: 320 x 240 (w x h) ± 1 mm

APPLICATION TOUCH PICO

In addition to conventional functions, such as gradient temperature adjustment, pause time, I/O switching, and default set point, Datex Touch Pico also features a programmable autoreverse function!

Up to 100 programs and 20 sub-functions can be stored in the integrated program memory. Following the simple and clear guide menus using the color touch screen, you can create your own dyeing program very easily and rapidly.

All these functions drastically assist data management, independent of whether you have to change, copy or delete a programme.

CONCEPT TOUCH 5 SERIES

- The configurable I/O matches the requirements of different types of dyeing machines. 1 controller for all dye machines.
- PC based: built around a high-performance state of the art PC-CPU board
- Touch screen: intuitive user interface, easily adopted by operators. Any function (heating, filling, etc.) can be activated by just touching this function on the screen. Push buttons on screen replace push buttons on panel.
- USB interface: for inexpensive devices like memory keys, (copy/save programs or PLC) and other devices.
- Remote access from any PC in the network or for support
- Windows CE: robust operating system for industrial applications.
- Ethernet TCP/IP network: link to BeCAmaster
- PLC and PC programming tools
- Integrated machine visualisation tool

APPLICATION TOUCH 5 SERIES

- Connection to the BeCAmaster central software
- Integration with chemical dispensing ChemMaster
- Storage of a high number of dyeing programs
- Logging of temperature curve, functions, alarms, etc. Visualization of process information
- Support of different languages
- Linear, progressive and degressive dosing curves.
- Control of temperature, speed, pH, flow, pressure, etc.
- Visualization of all machine functions