Becatron AG

pH Control System

ITMA 2019
BARCELONA
20-26 JUNE

PRESENTING IN
HALL 2
BOOTH
A118

Use

Intuitive and Easy to Use
Simple user interface allows users to easily configure controller and sensor options. Guided calibration options ensure operators can quickly and easily calibrate sensors.

Result

Confidence in Results
Visual warning system provides critical alerts to users immediately. Password protected SD card reader offers peace of mind and security, while providing a simple solution for data transfer and storage.

Connecting to Cloud
Easily connection to the Becatron Cloud for storage and graphical analyzing of all data's.

Sensors

Broadest Range of Sensors
Use the Becatron Universal Controller in combination with over several different sensors.

Specially our differential pH sensor with patented measurement technology using 3 electrodes. Low maintenance, versatile mounting styles, great accuracy and reliability. Chemical resistant body.

Becatron AG Switzerland

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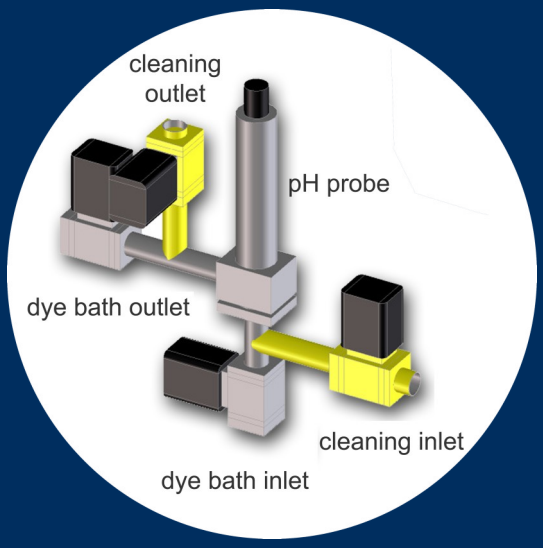

TECHNICAL INFORMATION

ControlCUBE

Dimension: 230 x 200 x 95 mm

Power Supply: 230V

pH Input: 6 pin connector

Outputs: 8 pin conncetor (acid, alkali, alarm)

Controller: Datex Touch Pico

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

Internal I/O:

- 2 digital inputs
- 5 digital relay outputs
- 1 pH Input

Interfaces:

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

pH Control System

pH CUBE

Becatron Sensors

Per application and temperature range, different sensors are standing to the disposal. It recommends by order to indicate the application area.

Valid for all types:

Life:
Quality construction and durable materials provide excellent chemcal resistance and long life (over 3 years) even in harsh environments.

Chemical resistance:

- Against all acids and alkalis in concentrates within the measurement range
- Against reduction- and oxidation resources in bleachbaths
- Against solvent-free detergents

Calibration periods:
The interval between the single software calibrations is dependent in the itensity of the sensor. We know from experience to reckon with a period of one week to one month between the single calibrations. This value is to established through own experiences.

Differential pH Sensor

Advantages Differential pH sensors:

- Double-junction salt bridge and pH 7 reference solution can easily be dismantled / replaced in the field, making the sensor very economical to maintain.
- Chemically-resistant LCP Body material allows sensors to be used in aggressive process solutions, such as acids, bases, alcohols, hydrocarbons, aromatics, chlorinated hydrocarbons, esters, ketones, and most other chemicals.
- LCP sensors are physically stable and will not expand or contract when subjected to the heating and cooling cycles of a process.
- Integrated ground electrode eliminates measurement error due to ground loops that may exisit in the process.
- Built-in preamp produces a strong signal, enabling you to locate the analyzer up to 914 m (3000 ft.) from the sensor.

Measuring Range
LCP and Ryton Sensors 0-14 pH

Sensitivity
Less than 0.005 pH

Stability
0.03 pH per 24 hours, non-cumulative