

New CHEMX3 Instrumentation line



pH and ORP Monitor and Controller

The new CHEMX3 panel monitors and controllers can be configured for either pH or ORP electrodes. They can be easily connected to all CHEMX3 electrodes and are all equipped with a temperature input for automatic temperature compensation (pH). A complete choice of output options and an easy and intuitive software configuration make them suitable for any particular application.

Main Features

- pH or ORP electrodes
- Isolated analog output: 0-20 mA or 4-20 mA user selectable
- Two programmable relays: Min./Max. functions, hysteresis, delay
- Alarm: temporized and programmable on set-points
- Backlit alphanumeric LCD
- Indication of:
 - temperature
 - settings
 - set-point and alarms
- Removable terminals
- Intuitive calibration menus

Main Technical Data

General

Supply: 110/230 VAC ± 10% 50/60 Hz

Sensor input:

- PH electrodes
- ORP electrodes
- Pt100 temperature sensors

Current output:

- 0-20 or 4-20 mA, isolated, fully adjustable
- Max. impedance load: 600 Ω

Relay output:

- set-point or alarm
- hysteresis: user selectable
- delay: selectable between 0 and 99,9 sec.

- Max. voltage rating: 5A @ 230 VAC

Display:

- Backlit LCD, 16 alphanumeric characters
- contrast: user selectable

Environmental

Working temperature: 0 to 50°C (-32 to 122°F)
Relative humidity: 0 to 95% non condensing

Standards & Approvals

Manufactured under ISO 9001
CE Conformity



pH and ORP 2-Wire Transmitters

This new line of analog transmitters has been designed to provide a cost effective local indication and a 2 wire current output. These instruments can be easily connected to all CHEMX3 electrodes and are all equipped with a temperature input. Galvanic isolation between input and output guarantees safe and reliable connections to other devices.

Main Features

- 2 wires 4-20 mA output
- Isolated current Loop
- Temperature compensation
- Temperature indication
- LCD Display
- Removable Terminals

Main Technical Data

General

Supply: 10 to 30 VDC

Sensor input:

- pH or ORP electrodes
- Pt100 temperature sensors

Current output:

- 4-20 mA, isolated
- Max. load impedance: 600 Ω

Display: LCD, numeric, 4 digit

Environmental

Working temperature: 0 to 50°C (-32 to 122°F)
Relative humidity: 0 to 95% non condensing

Standards & Approvals

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Conductivity Monitor and Controller

The new CHEM X3 panel indicators and controllers are suitable for several applications thanks to their user friendly calibration and handling. The instrument is able to accept conductivity and temperature inputs converting the value in %, gr/l, Beaumè.

Main Features

- Input from conductivity electrodes and Pt100 sensors
- Display in S, %, gr/l, Beaumè
- Range: 0,2 μ S to 40 S user selectable
- Auto range
- Isolated analog output: 0-20 mA or 4-20 mA user selectable
- Two programmable relays: Min./Max. functions, hysteresis, delay
- Alarm: temporized and settable on set-points
- Backlit alphanumeric LCD
- Indication of:
 - temperature
 - settings
 - set-point and alarms
- Removable terminals
- Intuitive calibration menu

Main Technical Data

General

Supply: 110/230 VAC \pm 10% 50/60 Hz

Sensor input:

- Conductivity electrodes
- Pt100 Temperature sensors

Current output:

- 0-20 or 4-20 mA, isolated, fully adjustable
- Max. load impedance: 600 Ω

Relay output:

- set-point or alarm
- Hysteresis: user selectable
- Delay: selectable between 0 and 99,9 sec.
- Max voltage rating: 5A @ 230 VAC

Display:

- backlit LCD: 16 alphanumeric characters
- contrast: user selectable

Environmental

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

Relative humidity: 0 to 95% non condensing

Standards & Approvals

Manufactured under ISO 9001

CE Conformity



Conductivity 2- Wire Transmitters

This new line of analog transmitters has been designed to provide a cost effective local indication and a 2 wire current output.

The temperature value for manual or automatic compensation and the temperature coefficient can be LCD displayed. Galvanic isolation between input and output guarantees safe and reliable connections to other devices.

Main Features

- 2 wire 4-20 mA output
- Isolated current Loop
- LCD Display
- 3 selectable ranges
- Temperature compensation
- Temperature indication
- Temperature coefficient indication
- Removable terminals

Main Technical Data

General

Supply: from 10 to 30 VDC

Sensor input:

- Conductivity electrodes
- Pt100 temperature sensors

Current output:

- 4-20 mA, isolated
- Max. load impedance: 600 Ω

- Display: LCD, numeric, 4 digit

Environmental

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

Relative humidity: 0 to 95% non condensing

Standards & Approvals

Manufactured under ISO 9001

CE Conformity



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