

pH controller dual set-point

LCD Display
Automatic temperature compensation
Dual set points
Set point values display
HI/LO selectable limits
Adjustable relay time delay
4/20 mA output
DIN Rail mounting
Detachable terminal block

General informations

The pH controller incorporates a large LCD display which is easily readable even from considerable distances.

The controller will display set point values by pressing a button on the front panel next to the corresponding adjustment potentiometer.

The HI/LO function may be selected for each relay.

The delay adjustment allows relay activation to be delayed from 0/40 s.

Automatic temperature compensation is achieved with use of a NTC 10K.

The 4/20 mA output is available for input into recorders or other devices requiring a 4/20 mA input signal.

Zero and sensitivity (span) calibration adjustments are located on the front panel and are easily accessible.

The controller may be powered by an external power supply 110/220Vac.

All plastic construction provides maximum resistance to corrosion.

Detachable terminal block connectors and DIN Rail mounting provide for easy field installation.



Technical Specifications

Display: LCD

Input: pH electrode
NTC 10 Kohm

Output: 4/20 mA dc 300 ohm max.

Scale: 0.00/14.00 pH

Temperature Compensation: automatic 0/80 °C
error < ± 0.2 pH

Zero: adjustable ± 10 %

Sensitivity: adjustable from -5% to +15%

Input Current: < 2 pA

Input Resistance: > 1012 ohm

Set points: dual

Relays contacts: SPST 220Vac 5 A (resistive load)

Hysteresis: ± 0.4 %

Relay Time Delay: adjustable 0/40 s

Operating Temperature: 0/50 °C

Operating Humidity: 0/95% R.H. non-condensing

Power Supply: 110/220V 50/60 Hz 3VA

Terminal block: detachable

Net Weight: 265 g

Dimensions: 105 x 95 x 58 mm (6 modules)

Mounting: DIN Rail (35 x 7.5 mm Rail)

Option 091.402: 24Vac power supply

The technical specifications could be changed without notice

3000 Series DIN RAIL

High accuracy
High reliability
Modular design
Low installation costs
Compact size

General informations

This series of analyzers and transmitters has been designed for the measurement and control of:

- pH
- O.R.P.
- Conductivity
- Electrodeless Conductivity
- Residual Chlorine
- Temperature

For OEM applications in industrial process, with continuous readings on LCD display.

These instruments provide accurate, low cost measuring and control for industrial process, water treatment and wastewater applications.

The Series is made of 3 different models, which allow Customers to select the most suitable solution according to their application and installation.

Models **3645** and **3655** feature one relay and a 4...20 mA output, not isolated.

Models **3647** are same as the models above, but with 2 relays.

Models **3630**, thanks to a "current-loop" 4...20 mA output, are the ideal solution for those installations where controlling is done via PLC or other remote supervision and control devices, without losing the possibility to calibrate near the sensor.

Accessories for installation



BC 9408

Water-tight enclosure for 1 unit

Protection: IP 65 (NEMA 4X)

Dimensions: 205 x 220 x 140 mm



BC 9412

Water-tight enclosure for 2 units

Protection: IP 65 (NEMA 4X)

Dimensions: 275 x 220 x 140 mm

BC 9491

Wall mounting brackets for BC 9408 and BC 9412

BC 95106

Frame for panel mounting of DIN Rail instrument (6 modules).