

Controllers with 1 set-point

LCD Display

Automatic temperature compensation

Set point values display

HI/LO selectable limits

Adjustable relay time delay

4/20 mA output

Detachable terminal block

pH 3645

pH controller

Scale: 0/14.00 pH

ATC: NTC 10K



MV 3645

O.R.P. controller

Scale: 0/1000 mV



C 3645

E. Conductivity controller

Scale: 0/1999 μ S

Option 091.1321: scale 0/199,9 μ S

Option 091.1322: scale 0/19,99 mS

Input: 2-electrode E.C. cell 4-electrode E.C. cell

ATC: NTC 10K

Temperature coefficient: 2 %/°C



TR 3645

Temperature controller

Scale: -20/+120 °C

Input: RTD Pt 100 (3 wire)



Technical Specifications

Display: LCD
Zero Adjustment: $\pm 15\%$
Slope Adjustment: $\pm 20\%$
Automatic Temperature Compensation: NTC 10K (Pt100 for C 3655)
Output: 4/20 mA dc 300 ohm max
Relay contacts: SPDT 220V 5 A resistive load
Hysteresis: $\pm 0.25\%$
Switching Time: < 0.5 s
Relay Time Delay: adjustable 0/40 s
Operating Temperature: 0/50 °C
Operating Humidity: 0/95% R.H. non-condensing
Power supply: 110/220V $\pm 10\%$ 50/60 Hz 2VA
Isolation: 4 kV (Iec 348)
Weight: 265 g
Dimensions: 105 x 95 x 90 mm (6 DIN Rail modules)
Mounting: DIN Rail (35 x 7.5 mm Rail)
Option 091.402: 24Vac power supply

The technical specifications could be changed without notice

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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 9408.1

Water-tight enclosure for 1 unit

Protection: IP 65 (NEMA 4X)

Dimensions: 215x210x100 mm



BC 9412.1

Water-tight enclosure for 2 units

Protection: IP 65 (NEMA 4X)

Dimensions: 298x260x140 mm

BC 9491.1

Wall mounting brackets for BC9408.1 and BC9412.1.

BC 95106

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

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