

Electrodeless Conductivity controller



LCD Display

Automatic temperature compensation

Set point values display

HI/LO selectable limits

Adjustable relay time delay

4/20 mA output

Detachable terminal block

Scale: 0/199.9 mS

Electrodeless Cell: type SI 315 or SI 315.1

Automatic temperature compensation: Pt100 sensor

Temperature coefficient: 2 %/°C

Option 091.1331: scale 0/19.99 mS

Option 091.1333: scale 0/1999 mS

Option 091.402: 24Vac power supply

Technical Specifications

Display: LCD

Zero Adjustment: ± 15%

Slope Adjustment: ± 20%

Output: 4/20 mA dc 300 ohm max

Relay contacts: SPDT 220V 5 A resistive load

Hysteresis: ± 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 ±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)

The technical specifications could be changed without notice



SI 315

Electrodeless Conductivity probe + Pt100

In-line and immersion applications.

Suitable for microtransmitter 080315 and C 3655 controller.

Applications: from 2000 μ S to 20 S, food, chemical, galvanic industry

Body: PVDF in contact with the liquid

Temperature sensor: Pt100 built-in

Operating temperature: 80 °C max

Operating pressure: 3 bar max. at 25 °C

Length: 200 mm

Diameter: 34 mm

Cable: 3 m

Fixing: by fitting SZ 724

Option: non standard length



SI 315.1

Electrodeless Conductivity probe + Pt100

In-line and immersion applications.

Suitable for microtransmitter 080315 and C 3655 controller.

Applications: from 2000 μ S to 20 S, food, chemical, galvanic industry

Body: PVDF in contact with the liquid

Temperature sensor: Pt100 built-in

Operating temperature: 80 °C max

Operating pressure: 3 bar max. at 25 °C

Length: 200 mm

Diameter: 34 mm

Cable: 3 m

Fixing: DIN 32 tapered collar for DIN 11851-52

Option: non standard length

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).