



NIEUWKOOP

LEAFLET



EC3040

E. Conductivity controller



TO MEASURE  TO KNOW



General Specifications

This series of controllers is available for the following parameters:

- pH
- ORP
- Conductivity
- Free chlorine
- Chlorine dioxide
- Dissolved ozone
- Dissolved Oxygen
- Universal Controller

- ✓ Selectable measuring scales
- ✓ Input from Pt100 or Pt 1000 temperature sensors
- ✓ Temp display in either °C or °F
- ✓ Automatic/manual temperature compensation
- ✓ Selectable and galvanic isolated 0/20 mA or 4/20 mA output
- ✓ Configurable logic input for hold or alarm function
- ✓ Dual set point min/max and delay selectable
- ✓ Min/max alarm and delay relay
- ✓ Set point, alarm and relay parameters visualization
- ✓ Power 85/264 Vac–50/60 Hz
- ✓ Power option 9/26Vdc–24 Vac
- ✓ Overload protection
- ✓ Extractable terminal blocks

The installed software includes:

- an easy access to all main functions
- primary security protection with a password chosen by the user to control access to adjustment of operating parameters
- secondary security protection with a password chosen by the user to control access to the configuration menu for selection of instrument function's
- short messages on the display

Technical Specifications

common to all instruments

Display: LED, 7 segments and 4 digits

Inputs: from selectable measuring sensor, from RTD Pt100 or Pt1000 (3 wires)

Measuring scale: selectable according to the model

Temperature scale: 0/100.0 °C or 32/212.0 °F

Temperature compensation:

manual or automatic 0/100 °C (where applicable)

Set-point 1 and 2:

ON/OFF function,
min/max function,
delay 0/99.9 s (0/999.9 s for C7635),
relay contacts SPST, 220V 5 A resistive load

Alarm:

min/max, configurable on all main scale,
active/non-active function,
delay 0/99.9 s,
relay contacts SPDT, 220V 5 A resistive load

Analog output:

selectable 0/20 mA or 4/20 mA,
response time 2.5 s at 98%,
isolated 250V,
max load 600 ohm

Operating temperature: 0/50 °C

Humidity: max 95% without condensation

Power supply: 85/264 Vac - 50/60 Hz

Power consumption: 5VA max, with overload protection

Terminal blocks: extractable

Dimensions 7635: 96x96x95 mm

Dimensions 7335: 96x48x95 mm

Weight: approx. 500 g

Mounting: panel

Marking: CE

Option

091.425: 9/36 Vdc – 24 Vac power supply for 7635

091.426: 9/36 Vdc – 24 Vac power supply for 7335



PH 7635 – PH7335

pH / ORP controller

Input: from pH or ORP sensor, and from RTD Pt100 or Pt1000

pH range: 0/14.00 pH resolution 0.01 pH.

ORP range: -1000/+1000, 0/-1000 mV, 0/+1000 mV resolution 1 mV.

C 7635 – C7635

Conductivity controller

This controller can be configured to be used with cells with different constants.

Cell constant: K= 0.10 cm⁻¹- K=1.00 cm⁻¹- K=10.00 cm⁻¹

Scale: 2 μS / 20 mS with cells K=0.10 cm⁻¹

Scale: 20 μS / 200 mS with cells K=1.00 cm⁻¹

Scale: 200 μS / 2000 mS with cells K=10.00 cm⁻¹

Temperature reference: 20/25 °C selectable

ATC coefficient: 0.00/3.50 %/°C

CL 7635 – CL7335

Free Cl₂, ClO₂ and dissolved O₃ controller

This controller can be configured to be used with potentiostatic or selective membrane polarographic cells.

Scales with potentiostatic cells: 2,000 / 20,00 ppm, 2,000 / 20,00 mg/l

Scales with selective membrane polarographic cells: 2,000/20,00/200,0ppm, 2,000/20,00/200,0 mg/l

Temperature reference: 20/25 °C selectable

ATC coefficient: 0,00/3,50 %/°C

OD 7635 – OD 7335

Dissolved oxygen controller

This controller can be configured to be used with polarographic or with galvanic cells.

Polarographic cells

Scales: 200.0 air saturation, 20.00 mg/l

Input current in air at 20°C: 30/300 nA

Polarization: -1000/+1000 mV

Galvanic cells

Scales: 200.0 air saturation, 20.00 mg/l

Input voltage in air saturation at 20°C: 30/300 nA

Reference temperature: 20°C

ATC coefficient: 0.00/4.00 %/°C

Salinity compensation: 0.00/60.00 ppt Cl

BC 7635 – BC 7335

Universal controller

This controller can provide the necessary power supply (24Vdc/50mA max) for “current loop” 2-wire transmitters.

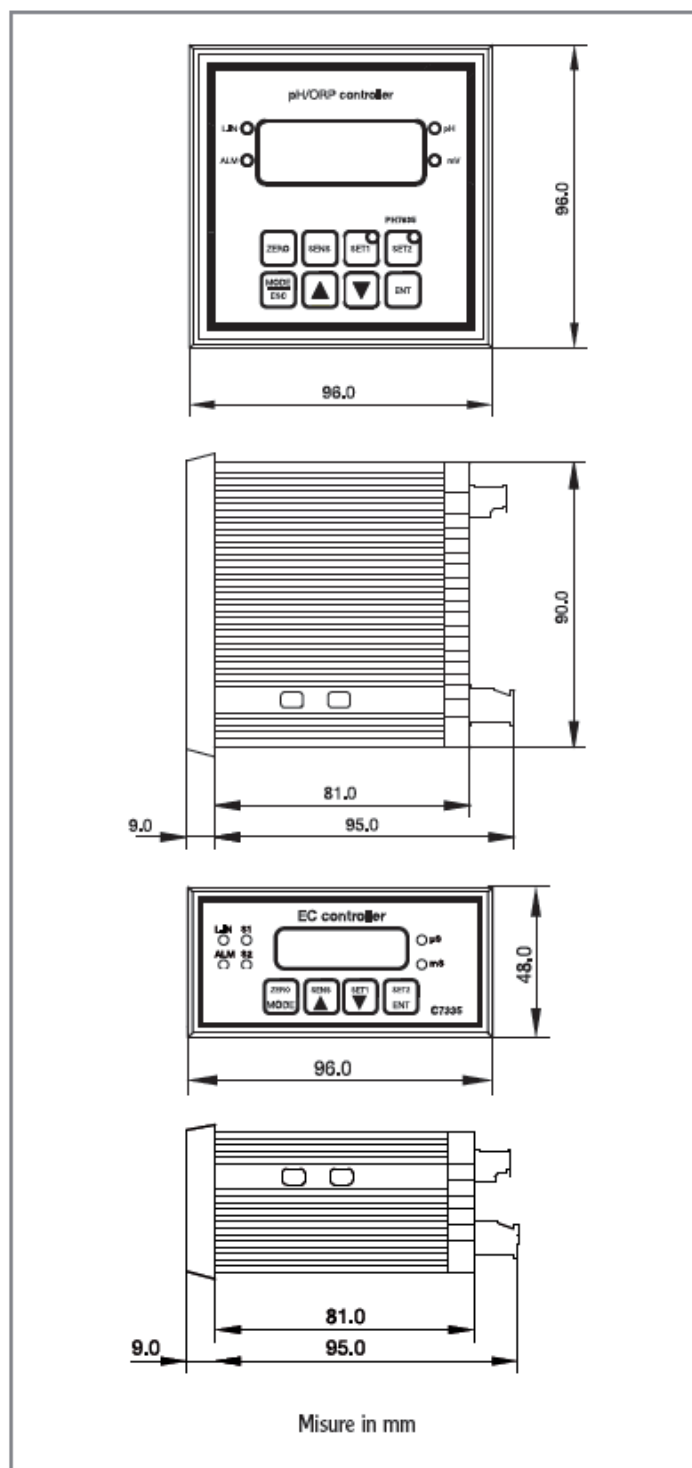
Single input: 0/20 mA or 4/20 mA.

Differential input: ± 0/20 mA or ± 4/20 mA.

Scales: - 1999 / + 9999, selectable.

Decimal point: Selectable.

It is also available the model BC 7635.010, with Autoclean relay.





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