



## 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

Temperature 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

Universal power supply 85/264 Vac – 50/60 Hz

Power supply option 9/26Vdc – 24Vac

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 functions
- 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:** 9/36Vdc – 24 Vac power supply for 7635

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

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Тюмень (3452)66-21-18  
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Уфа (347)229-48-12  
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Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

## PH 7635 - PH 7335

### 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 - C 7335

### Conductivity controller

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

**Cell constant:** K= 0.10 cm<sup>-1</sup> - K=1.00 cm<sup>-1</sup> - K=10.00 cm<sup>-1</sup>

**Scale:** 2 μS / 20 mS with cells K=0.10 cm<sup>-1</sup>

**Scale:** 20 μS / 200 mS with cells K=1.00 cm<sup>-1</sup>

**Scale:** 200 μS / 2000 mS with cells K=10.00 cm<sup>-1</sup>

**Temperature reference:** 20/25 °C selectable

**ATC coefficient:** 0.00/3.50 %/°C

It is also available the model **C 7335.004**, to be used with 4-electrodes probes.

## CL 7635 - CL 7335

### Free Cl<sub>2</sub>, ClO<sub>2</sub> and dissolved O<sub>3</sub> 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 / 200,0 ppm, 2,000 / 20,00 / 200,0 mg/l

**Temperature reference:** 20/25 °C selectable

**ATC coefficient:** 0,00/3,50 %/°C

## BC 7635 - BC 7335

### Universal controller

This controller can provide the necessary power supply (24Vdc/50 mA 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.

## 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 chloride

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