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## Liquid Analyzers 7635 Series



# Liquid Analyzers



## Digital Accuracy + 30 Years Experience = Tomorrow's Technology

Combining B&C Electronics' 30 years of experience in analytical instrument design with the most modern microelectronic devices has resulted in a new generation of advance electrochemical monitors.

The Series 7635 from B&C Electronics provides users with a rare combination of features, including rugged design, highest possible accuracy, bright LED display, and the reliability that will insure years of trouble-free service. And best of all, it is available at a price you can afford.

Accuracy, ease of use, and advanced functionality are achieved through careful design.

This careful planning combined with B&C Electronics' modern manufacturing facilities, operated with strict adherence to ISO 9001: 2000 quality control standards, insures that every 7635 monitor delivers both performance and quality.

Series 7635 monitors are housed in the 96 x 96 mm enclosure format for panel mounting. With an overall depth of only 95 mm, these monitors allow easy installation, even in small control panels with limited space.

A bright, 4 digit LED display provides excellent visibility, while also providing the user with messages for setup and operation.

The front panel includes 8 key switches that allow users to access to the most frequently used functions.

These include:

- Zero and Sensitivity calibration
- Set-point value Adjustment

Thanks to a "direct access" to these main functions, using the instruments is easy and intuitive.

### 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

### Some of the most relevant features include:

- Selectable measuring scales
- Input from Pt100 or Pt 1000 temperature sensors
- Temperature display in either °C or °F
- Automatic/manual temperature compensation
- Two constants and two levels filter software
- Selectable and galvanic isolated 0/20 mA or 4/20 mA output
- Configurable input for hold or alarm function
- Selectable dual set point min/max and delay
- 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 9/26 Vdc – 24 Vac
- Overload protection
- Extractable terminal blocks
- Dimensions 96x96x95 mm, including terminal blocks

## Technical Characteristics

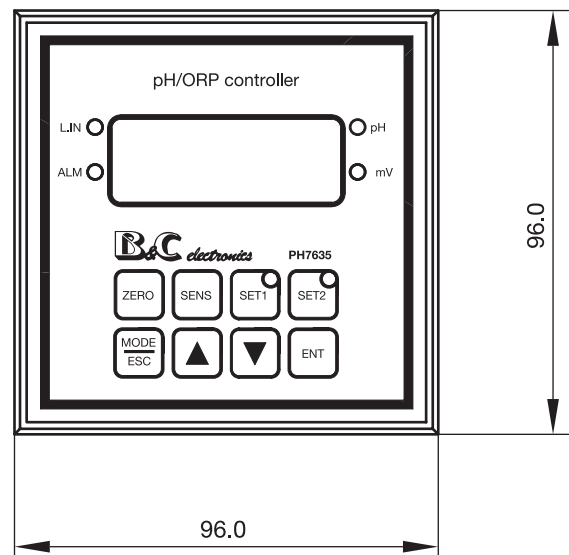
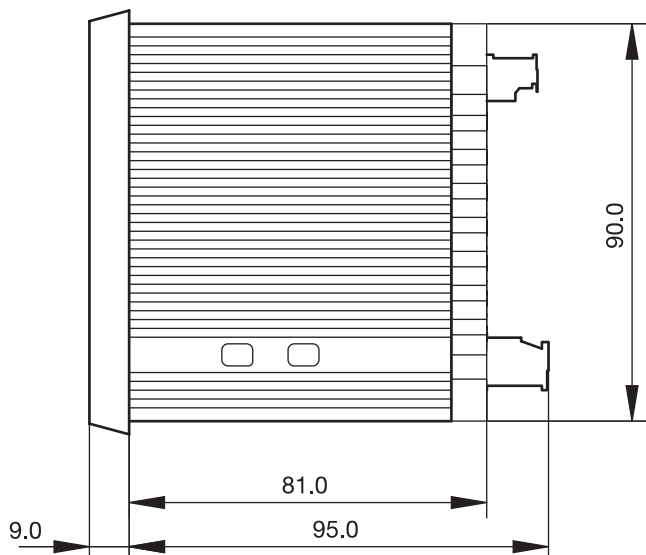
(common to all instruments)

<b>Display:</b>	LED, 7 segments and 4 digits
<b>Inputs:</b>	from selectable measuring sensor, from RTD Pt100 or Pt1000 (3 wires)
<b>Measuring scale:</b>	selectable according to the model
<b>Temperature scale:</b>	0/100.0 °C or 32/212.0 °F
<b>Temp. compensation:</b>	manual or automatic 0/100 °C (where applicable)
<b>Set-point 1 and 2:</b>	ON/OFF function, selectable min/max function, selectable delay 0/99.9 s (0/999.9 s for C7635), relay contacts SPST, 220 volt 5 A resistive load
<b>Alarm:</b>	min/max, configurable on all main scale, active/non-active function, selectable delay 0/99.9 s, relay contacts SPDT, 220 volt 5 A resistive load
<b>Analog output:</b>	selectable 0/20 mA or 4/20 mA, response time 2.5 s at 98%, isolated 250 volt, max load 600 ohm
<b>Operating temp.:</b>	0/50 °C
<b>Humidity:</b>	max 95% without condensation
<b>Power supply:</b>	85/264 Vca - 50/60 Hz
<b>Power consumption:</b>	5 VA max, with overload protection
<b>Terminal blocks:</b>	extractable
<b>Dimensions:</b>	96x96x95 mm, DIN 43700
<b>Weight:</b>	approx. 500 g
<b>Mounting:</b>	panel
<b>Marking:</b>	CE
<b>Option:</b>	9/36 Vdc - 24 Vac power supply



## The Series includes all of the following models

- PH 7635** pH and ORP controller
- C 7635** Electrical conductivity controller
- CL 7635** Residual chlorine and dissolved ozone controller
- OD 7635** Dissolved oxygen controller
- BC 7635** Universal controller, with analog input



Measures in mm



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