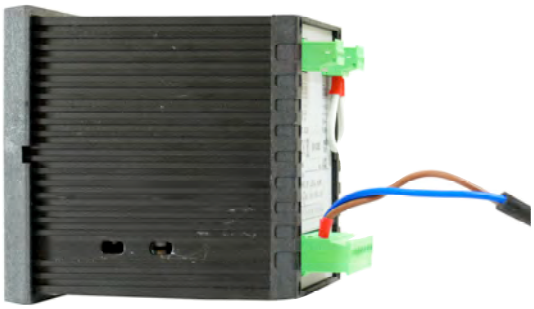
Model CL7635

Residual Chlorine Controller



The model CL7635 pH/mV meter is designed for panel mounting to the DIN 47300 standard.
The CL7635 features a very short case length ideal for mounting in small or densely populated control panels where space is at a premium or in the optional surface mounting enclosure.

The CL7635 Residual Chlorine controller is designed for direct reading of free chlorine in ppm or mg/L. The CL7635 Residual Chlorine controller maybe used with the traditional open amperomertric cell with copper and platinum electrodes. Our cell features a mini variable area flow meter and a flow sensor for connection to the logic input on the controller to inhibit any control when there is no sample flow.

Alternative the CL7635 Residual Chlorine controller maybe used with the SZ283 Potentiostatic sensor that responds to Residual Chlorine, Bromine, Chlorine Dioxide or Ozone. The SZ283 maybe used with either the SZ7251 auto cleaning cell or the APEF cell which features the built in VA flow meter and has a second port for a pH electrode.

Temperature compensation maybe manually set over the range of 0 – 50oC or automatically compensated for over the range of 0 - 50oC by the use of either a Pt100 or Pt1000 temperature sensor which is user selectable.

A bright red LED indicates the selected parameter ppm or mg/L, the main readout features a 4 digit red LED display, which provides excellent visibility and provides the user with messages for setup and operation.

Two programmable control relays are fitted; the control relays can be programmed for either high or low operation and have adjustable delay timers.
One adjustable alarm relay with delay timer is fitted which maybe set to operate on both a high and low measured value.
The isolated current output corresponds to the measuring range selected and can be selected for either 0 - 20 mA or 4 - 20 mA.

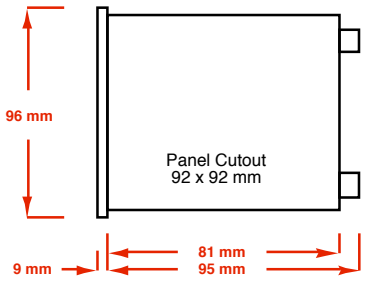
Electrical and sensor connections are on the rear of the instrument by means of retractable terminal blocks, which provide easy installation and maintenance.
The 7635 series of controllers are available for the measurement and control of pH, Redox, Conductivity, Dissolved Oxygen and as a slave controller with an analogue input.

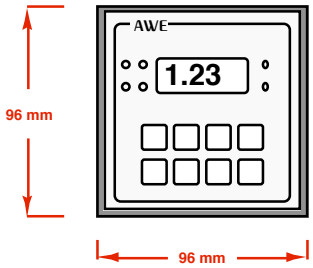
Specifications

CL7635

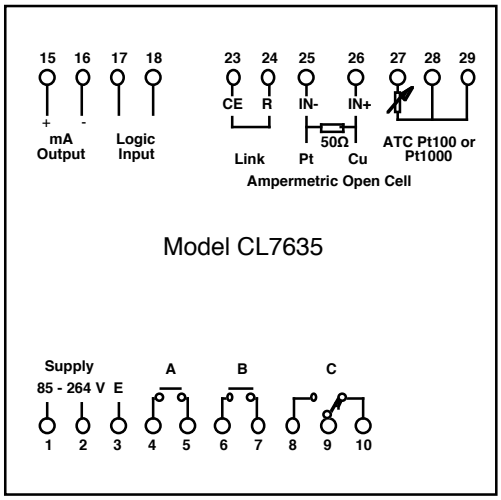
Input	Open ampermeteric copper and platinum cell or SZ283 Twin band platinum & referance potentistatic sensor
Range	0 - 2.00 ppm or 0 - 20.00 ppm cell limits at 10.00 ppm
Temp range	Measuring and compensating 0 to 50 ^{O}C or 32 to 122 ^{O}F
Temp comp/display.	Automatic via 3 wire Pt100 or Pt1000 sensor Manual 0 to 50 ^{O}C
Display	4 Digit bright red LED.
Logic input	Volt free contact closure for run/standby Can be set to operate the alarm relay
Set points	2 min/max selectable contacts SPST 5 amp non inductive.
Action	On/Off with delay timer 0 – 100 secs
Hysteresis	± 0.02 pH
Alarm	1 min or max. Contacts SPDT 5 amp non inductive.
Action	On/Off with delay timer 0 – 100 secs
Current output	0 - 20mA / 4 - 20 mA isolated into 600 ohms
Zero	± 2.0pH
Slope	80% – 110%
Mains supply	85 – 264 volt 50/ 60 Hz. switch mode power supply
Power consumption	6 VA
Weight	500 grams DIN rail version
Dimensions	96 x 96 x 95 mm. cutout 92 x 92 mm.

Dimensions





Connections



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Automated Water & Effluent Ltd

AWE House Antom Court, Tollgate Drive, Beaconside, Stafford, ST16 3AF UK.

Tel: 01785 254597 Fax: 01785 257724

www.awe-ltd.co.uk email sales@awe-ltd.co.uk