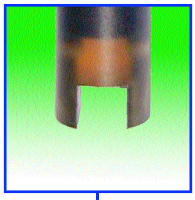
AWE



Model C7635
Microprocessor Conductivity Controller

* **Displays in µS or mS**
* **Selectable Ranges**
* **Selectable Cell "k"**
* **Two Control Relays.**
* **One Alarm Relay.**
* **Isolated Current Output.**
* **Panel Mounting 96 x 96 Din.**
* **Red LED Display.**
* **Switch Mode Power Supply**

Ranges For C7335 Conductivity Controller

Input From Two Electrode Cells			
k	0.1	1.0	10.0
Range	2.000µS	20.00µS	200.0µS
	20.00µS	200.0µS	2000µS
	200.0µS	2000µS	20.00mS
	2000µS	20.00mS	200.0mS
	10.00mS	100.00mS	1000.0mS

The model C7635 is member of our series 7635 analytical instruments housed in 96 x 96 DIN standard enclosures which are only 95 mm deep, designed for mounting in a control panel or an option surface mounting enclosure.

The C7635 microprocessor conductivity controller displays conductivity in µS, or mS indicated by a bright red LED, the main readout features a 4 digit red LED display, which provides excellent visibility and provides the user with messages for setup and operation. The front panel includes all 8 keys that allow the user access to all instruments functions.

The C7635 conductivity meter features five user selectable ranges from 0 – 20µS to 0 – 200mS and cell constant(k) selection of either k = 0.1, k =1.0 or k = 10.
Auto temperature compensation with adjustable base reference temperature of either 20oC or 25oC and adjustable temperature coefficient from 0 – 3.5% / oC. Manual temperature compensation maybe selected from the range of 0 – 100oC

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.

The versatility of the microprocessor accompanied by the user friendly software allows the programming of the functions, routine checks and calibration is easily accomplished even by untrained operators.

Installation of the 7635 series of instruments is intended to be into a control panel or in the optional surface mounting enclosure.

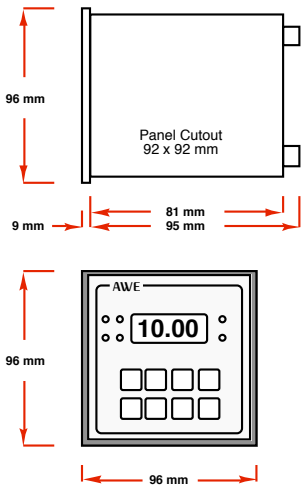
The rear of the case is fitted with two plug in connector blocks for ease of installation and maintenance.

Specifications

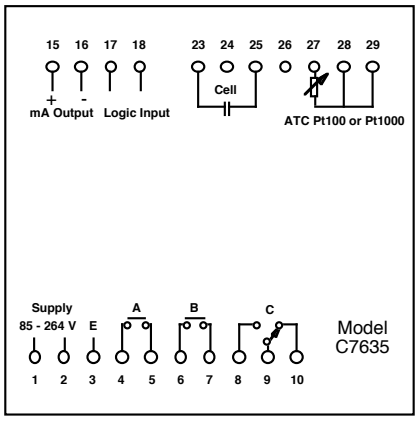
C7635

Input	AWE Conductivity cell k= 0.1 to 10 see table
Ranges	0 - 20.00µS to 0 – 100.0 mS (k = 1.0) see table
Temp range	Measuring and compensating 0 to 100 ^{O}C or 32 to 212 ^{O}F
Temp comp/display.	Automatic via 3 wire Pt100 or Pt1000 sensor Base 20oC or 25oC. Coefficient 0 – 3.5% /oC
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 SPST 5 amp non inductive.
Action	On/Off with delay timer 0 – 100 secs
Hysteresis	± 2 as a function of the scale
Alarm	1 min & max. 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	± 10% of scale
Slope	60% – 160% of scale
Mains supply	85 – 264 volt 50/ 60 Hz. switch mode power supply
Power consumption	6 VA
Weight	450 grams
Dimensions	96 x 96 x 95 mm. cutout 92 x 92 mm.

Dimensions



Connections



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