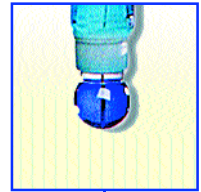


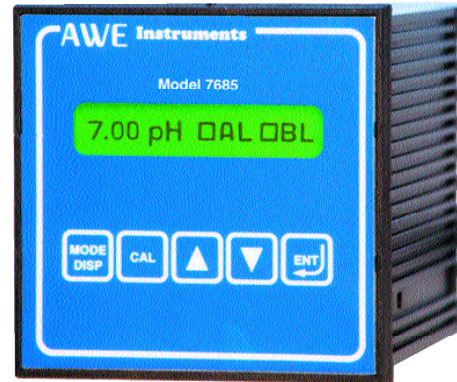


Model P7685 - 010

Microprocessor pH, mV & °C Meter



- ★ Displays pH, mV or °C.
- ★ Electrode Auto Clean
- ★ Isolated Current Output.
- ★ Alphanumeric Display.
- ★ Two Set Point Relays.
- ★ User Friendly μ P.
- ★ One Alarm Relay.
- ★ IP65 Front Panel.



The model P7685 - 010 is a microprocessor panel mounting pH, mV and °C instrument. With a 16 character alphanumeric LCD which displays the measured parameter and provides information about the state of the control and alarm relays. Also accessible is an indication of the operating condition of the sensor, control, alarm and output parameters settings.

The model P7685 - 010 has one input for pH, one input mV, and an input for temperature, the temperature input provides both a temperature indication and auto temperature compensation of the pH. Two isolated outputs are available which maybe user programmed for either 2 x pH, pH & mV. or pH & °C. The control relays maybe selected for either pH or Redox control functions.

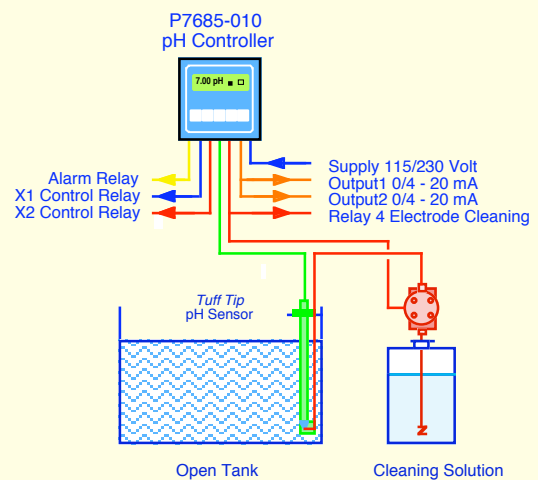
The control relays can be programmed for either On/Off control, PFM control to proportionally control electronic metering pumps or PWM to time proportionally control solenoid valves or small pumps.

One adjustable alarm relay with delay timer is fitted which operates on both a high and low measured value.

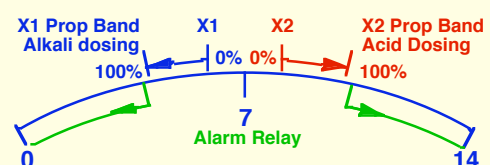
Auto cleaning of the electrode maybe accomplished by a relay output for a preset time. While the instrument freezes and holds the last reading and control function for a preset time after the cleaning cycle.

The versatility of the microprocessor accompanied by the user friendly software allow the programming of the functions, routine checks and calibration to easily be accomplished even by untrained operators. Designed to provide reliable accurate and dependable measurement and control of many industrial process.

Typical Installation



Control Functions



X1 = Relay One Shown as Alkali Dosing
X2 = Relay Two Shown as Acid Dosing

X1 & X2 Can both be set for Alkali Dosing
Duty and Assist Operation

X1 & X2 Can both be set for Acid Dosing
Duty and Assist Operation

R3 is Alarm Relay Operates on either High or Low value

Specifications

Inputs

Range

Temp range

Temp comp/display.

Display

Outputs

Set points

Alarm

Hysteresis

Time delay

Zero

Slope

Auto clean

Mains supply

Power consumption

Weight

Dimensions

P7685 - 010

One for pH one for redox millivolts and one from a Pt100 for both ATC and °C display.

0 - 14.00 pH or 0 - ±1000 mV

-10 - 110 °C

Automatic via Pt100 sensor.

16 character alphanumeric LCD.

2 off 0 - 20mA / 4 - 20 mA programmable into 600 Ω

2 on/off high/low with delay timers
PFM Pulse frequency modulation
PWM Pulse width modulation.

1 min./max. or
0 - 60 mins. activation of S1/2

± 10% adjustable.

0 - 60 seconds adjustable.

adjustable.

adjustable.

Timed output via volt free contacts.

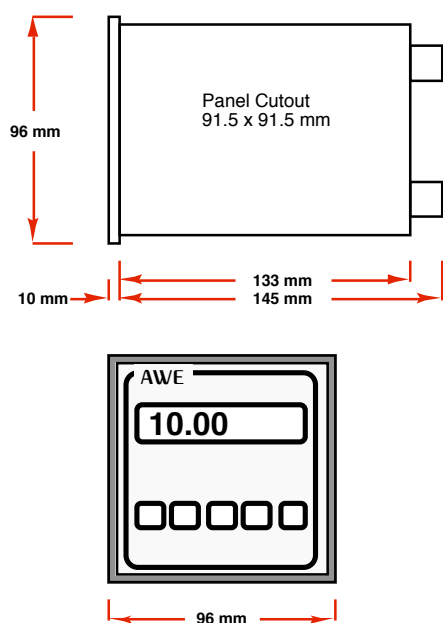
230/115 volt 50/ 60 Hz.

6 VA

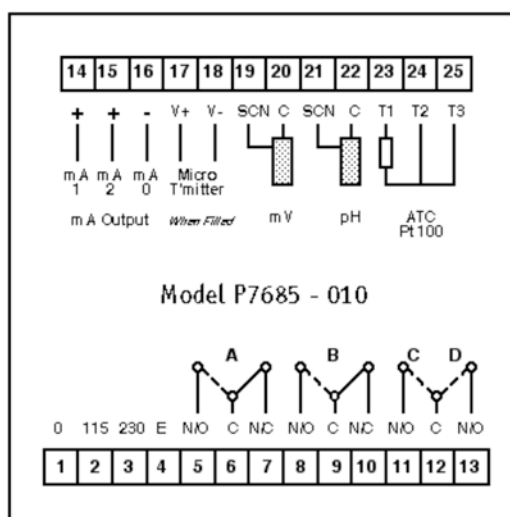
850 grams Panel mount version

96 x 96 x 155 mm. cutout 91.5 x 91.5 mm.

Dimensions



Connections



AWE

Automated Water & Effluent Ltd

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

Tel: 01785 254597 Fax: 01785 257724

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