

AWE

Model P3630 2 Wire pH Transmitter



- * Displays pH or °C.
- * 24 Volt DC Supply
- * 4 - 20 mA Isolated Current Output.
- * Auto Temp Compensation
- * Digital Display
- * DIN Rail Mounting.
- * Optional IP55 Housing

The model P3630 Two wire pH transmitter has been designed for DIN rail mounting, either on the back plate of a control panel or in an optional surface mounting weatherproof enclosure. By mounting the transmitter close to the sensor it is possible to send an industry standard isolated 4 - 20 mA signal unto 1000 m. over the same two wires used to power the transmitter.

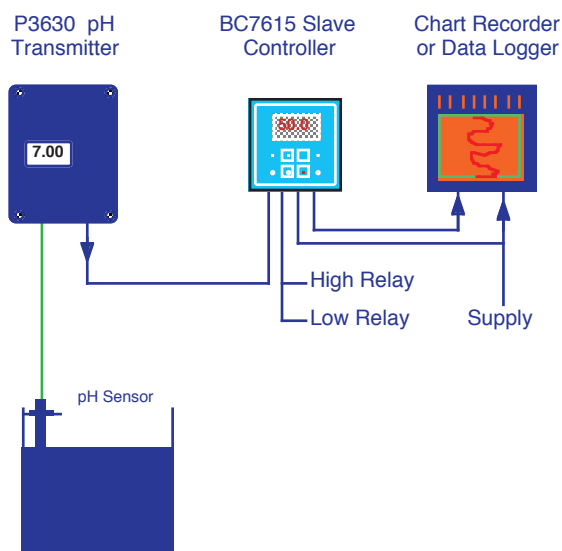
The optional corrosion resistant enclosure is rated to IP55 for all year round outside use. The enclosure is fitted with an external makalon door providing access to the buffer and slope controls for easy on site calibration.

The P3630 can be powered by the receiving Controller, Recorder, PLC or "AWE Instruments" model BC7615 digital indicator controller with built in stabilised power supply and high - low alarms.

The P3630 features automatic temperature compensation over the range of 0 - 100o C with a Pt. 100 sensor.

Applications include remote effluent discharge pH monitoring, any other pH monitoring points where long co-ax cable runs are installed between the sensor and instrument. pH control with varying temperature requiring automatic temperature compensation and control loops using computers or PLC's. requiring 4 - 20 mA isolated signals.

Typical Installation

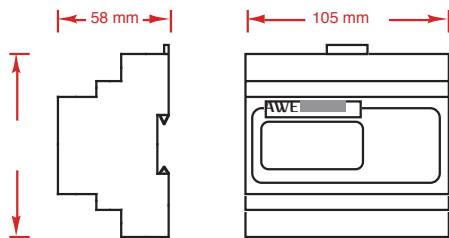


Specifications

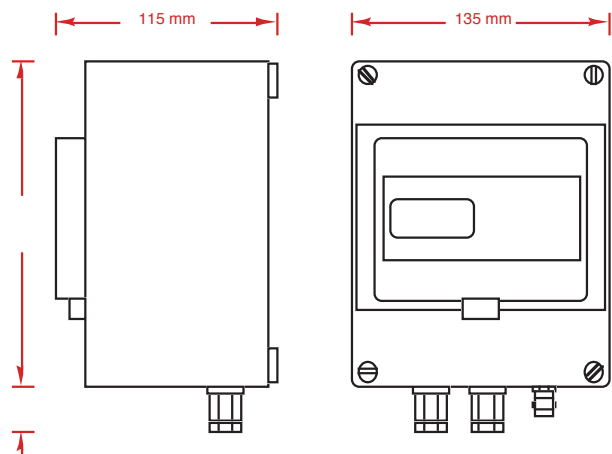
Range pH	0 - 14 pH.
Temp display	-10 - 120 °C.
Display	3 1/2 L.C.D. units.
Display size	12.5 mm.
Output	4 - 20 ma limited to 25 ma.
Galvanic isolation	500 volts.
Temp comp.	Automatic via pt. 100 sensor.
Eo	± 15%
Span	86 - 112%
Resolution	0.01 pH.
Repeatability	with sensor ± 0.02 pH.
Power supply	10 - 30 volts DC. stabilised.
Weight	200 Grams DIN rail version.

P3630

Dimensions



Connections



AWE

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