

- NEMA-4X Weatherproof enclosure
- 100 ft. electrode extension without pre-amplification
- 4-20 mA signal output available
- Simple operation and maintenance

DESCRIPTION

Model 434A pH is designed to monitor the pH of a solution. It measures from 0 -14 pH with an accuracy of 0.1 pH.

This instrument is designed for heavy usage in harsh industrial environments. The NEMA 4X enclosure includes a clear window door. Electrical connections and sensor are designed for conduit installation through the bottom.

All electronics are proven solid state devices and are the same components used in our laboratory instruments. All wiring is both mechanically attached and soldered, or screw clamped terminals. There is no chance of corrosion causing interference as with spring loaded or other friction type connectors.

pH sensors may be located up to 100 feet from the controller without pre-amplification. There is no need to install delicate electronics near the solution being controlled. This instrument will work with many non preamp inline and submersion pH BNC sensors, available in the marketplace.

The standard display is a 4.5" taut band meter, 1/2" LCD is offered as an option. All controls are conveniently located on the front panel. There are no internal adjustments necessary. Solid state design and Teflon insulated input circuit assure accurate measurements under the most sever conditions including high humidity

The power terminal block is at the lower rear of the instrument, protected by the swing-out front panel. pH sensor and power connections are easy to get to.

MAINTENANCE

The Model 434A includes a two years limited warranty and support; and will require little maintenance throughout its lifetime. The pH sensor should be cleaned and calibrated periodically. The frequency of cleaning and calibration will depend upon the type of installation and the nature of the chemistry under control. It is a good policy to initially clean and calibrate frequently, perhaps daily, until a proper cleaning cycle is established



Specifications	
Input current	2 picoamps maximum
Temperature control	0° to 100° C divisions
Electrode connector	BNC style
Maximum electrode distance	100 ft. nominal
Power required	115 VAC 10
Display	4.5" taut band meter
Accuracy	0.1 when within 2 pH of a buffer
Range	0-14 pH in 0.1 divisions
Size	8 X 8 X 5
Weight	5 lbs
Enclosure	NEMA-4X fiberglass reinforced polyester with stainless steel (pad-lockable) latch

Sensors	
81580	CPVC pH submersion sensor
81912	RYTON pH submersion/inline sensor
80880	CPVC pH inline sensor

Options			
40023	4-20 mA output option	81412	220 VAC 60 Hz power
81234	Special scales, specify range	81590	Digital display option