

- NEMA 4X Weatherproof Enclosure
- 100 ft. electrode extension without pre-amplification
- 4-20 mA signal output available
- Simple operation and maintenance
- 2.5" strip chart recorder
- Additional digital display

DESCRIPTION

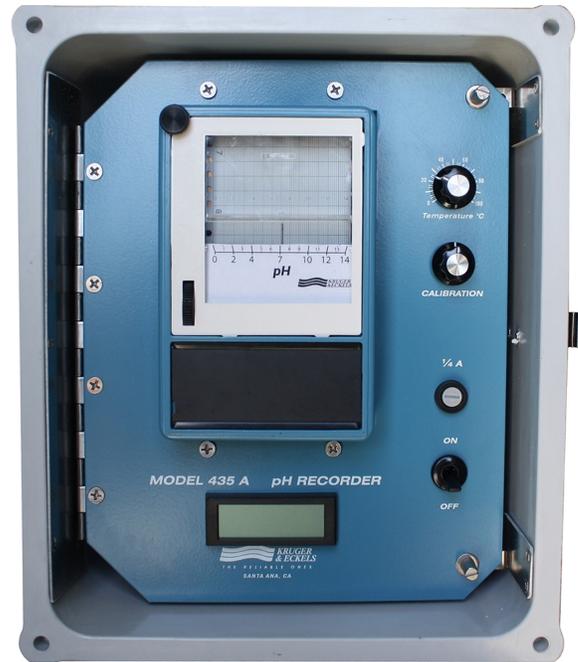
The Model 435A is a pH recording monitor that can easily go anywhere to record the pH waste outflow or chemical reaction. The Model 435A has a standard 0 to 14 pH recorder scale, and an accuracy of .1 pH unit. 2 to 12 pH recorder scale is also available.

The strip chart recorder uses a replaceable clay coated paper roll, which will last for 30 days. The Teflon insulated input circuit assures accurate measurements under the most severe conditions, including high humidity environments.

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. These are available in the marketplace and from Kruger and Eckels Inc.



MAINTENANCE

The Model 435A electronics are warranted for two years and will require little maintenance throughout its lifetime. The electrode 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
Fuses	¼ amp on instrument
Power required	115 VAC 10
Display	2.5" Strip chart and digital display
Accuracy	0.10 when within 2 pH of a buffer
Range	0-14 pH in 0.2 divisions
Size	10 X 8 X 6
Weight	15 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

Chart Paper	
47500	Chart Paper 10 division
47513	Chart Paper 0-14 pH
47518	Chart Paper 2-12 pH

Options			
40023	4-20 mA output option	80440	Auto temp comp installed
81234	Special scales, specify range	81412	220 VAC 60 Hz power