

# MODEL 521C

Kruger & Eckels Paperless pH Recorder/Controller



## Description

The Model 521C is a recording monitor that is designed to power alarms, pumps, valves, and feeder to control the pH of a solution. Power is supplied when a measured pH value crosses the value selected with the set point knobs.

The recorder uses replaceable CompactFlash cards that can record multiple years worth of data continuously.

The instrument is designed for heavy usage in harsh industrial environments. The NEMA 4X enclosure includes a clear window door. Electrical connections and sensors are available on the bottom of the instrument.

All electronics are proven solid state devices and are the 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 ft. from the controller without preamplification. There is no need to install delicate electronics near the solution being measured.

For certain applications it may be necessary to add both acid and caustic. Optional set points permit high and low addition at different values leaving a middle range where neither is added.

The power output relays have 10A contacts and are fused for 5 amps.



## Specifications

Input Current	2 picoAmps Max
Temperature Control	0° - 100° C
Electrode Connector	BNC
Max Electrode Distance	100ft.
Fuses	1/4 A on Instrument
Power Required	115 VAC
Display	2.5" Graphical LCD
Accuracy	0.1 when within 2 pH of Buffer Solution
Range	0-14 pH
Size	12" X 10" X 8.5"
Weight	8 lbs.
Operating Temperature	-10° - 50° C
Enclosure	NEMA 4X Polycarbonate
Networking	Optional
Recommended Sensor	PN KE81912
4-20 mA Output Option	PN 40023