

MODEL 521

Kruger & Eckels Paperless pH Recorder



Description

The Model 521 is a paperless pH recording monitor that can easily go anywhere to record the pH of waste outflow. With the optional second input the Model 521 can record a variety of other processes and chemical reactions including but not limited to, temperature, or flow rate.

pH Sensors may be located up to 100ft. from the recorder without preamplification.

The recorder uses replaceable CompactFlash cards that can record for a minimum of 3 months, and a maximum of multiple years dependent on recording rate. The teflon insulated input circuit assures accurate measurements under the most sever conditions, including high humidity environments.

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 designed for conduit installation through the bottom.

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.

The Model 521 has a customizable recording scale, and records a variety of communication standards.

DC input volatage ranges of 0-250mv; 0-1.2V; 0-2.5V; 0-5V; 0-12.5V; 0-25V. DC input current ranges of 0-20mA; 4-20mA; 0-50mA; 10-50mA; Thermocouple, RTD, Frequency, and Speed inputs also available.



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