FX-421
pH Analyzer

The Foxcroft FX-421 pH Analyzer's unique design and microelectronic technology provides labor savings duringinstallation, start-up, and operation.

The ISFET electrode element is faster to respond, allowing tighter control and stability, requiring less frequent calibration.

Overall, it performs better than any other electrode in its class.

All calibrations are carried out at the measurement site.

There is no need to run back and forth between the sensor and the receiver.

Modular construction allows the electrode to be safely removed without disrupting power to the electronics.

The electronics provide a 4-20mA output signal as well as a high and low relay. All are sealed in a plastic, weatherproof, corrosion-resistant housing.

PRODUCT FEATURES

- **Solid State, non—glass sensor suitable for food processing applications**
- **Local 4-Digit Display of pH and Temperature. 3-Button Keypad**
- **Sample or Auto Buffer Recognition, 1 or 2 point calibration**
- **(1) 4-20mA Control Output, (1) auxiliary output**
- **Auxiliary Relay Alarms - High and Low**
- **Integral Mount for Pipe Insertion Standard**
- **Remote Monitor Can Be Located Up to 2000 ft. Away**
- **Submersible Sensor Up to 20 Feet Deep Available**
- **Sensor and Electronics Diagnostics**
- **Modular Construction Simplifies Electrode Replacement**

FOXCROFT EQUIPMENT AND SERVICE COMPANY, INCORPORATED

FX-421
pH Analyzer

SPECIFICATIONS

GENERAL

Display Process Variable pH:	0-14 pH
Displayed Temperature Range	-10°C to +110°C (14o F to 230o F)
Display Accuracy pH:	+/-0.02 pH
Process Temperature	-10°C to +110°C (14o F to 230o F)
Sensor Survivable Temp.	-10°C to +130°C (14o F to 266o F)
Electronics Module Ambient Temp.	-20°C to +85°C (-4o F to 185o F)
Output Type	4-20mA, 600 ohm maximum
Output Scale	0-14 pH
Remote Mounting Sensor (optional)	Submersible to 20 feet
Sensor Distance	25 ft. std (option up to 2000 ft)
Auxiliary Relay Contacts:	High Alarm - SPDT 5A @125VAC non-latching
	Low Alarm - SPDT 5A @125VAC non-latching
Local Display and Buttons	LCD 4-digit, 7-segment
Remote Display	LED 4-digit
Engineering Units	pH, mV, Deg. F and Deg. C
Calibration Options	(pH) 1 point Sample or 2 point Sample
Auto Buffer Recognition	
Remote display	NEMA 4X enclosure
Power	110 or 220 VAC - 50/60 Hz 300mA
Dimensions:	Sensor H 4.84" x W 1.89" x D 1.18"
Dimensions:	Local Display / electronics H 5.00" x W 7.00 x D 2.00"
Dimensions:	Remote Wall mount H 12" x W 9" x D 7" (plus mounting tabs)

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