



# FX-421 pH Analyzer

Remote  
Monitor



Local Display  
with Keypad



Up to 2000 ft. away

## FEATURES

- Solid State pH Electrode - Fast Response
- Non-glass, Less Breakage - Rugged
- Local Display and Keypad - Quick Setup and Calibration
- Auto Buffer Calibration
- 4-20mA Output
- Auxiliary Relay Alarms - High and Low
- Corrosion Resistant Housings
- Remote Monitor Can Be Located Up to 2000 ft. Away
- Submersible Sensor Available
- Integral Mount Design
- Small, Compact

## DESCRIPTION

The Foxcroft FX-421 pH Analyzer's unique design and microelectronic technology provides savings during installation, start-up, and operation to a degree unequalled in today's market. The solid state pH sensor's proven performance is unmatched. It is non-glass, rugged and less likely to break compared to standard glass electrodes. The solid state electrode 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. 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 HIGHLIGHTS

# FX-421 pH Analyzer



## PRODUCT SPECIFICATIONS

Display Process Variable . . . . .	pH: 0-14 pH	Configurable Relays . . . . .	Relay 1 - SPDT 10A @ 125VAC Relay 2 - SPDT 10A @ 125VAC
Displayed Temperature Range . . . . .	-10° C to +110° C (14° F to 230° F)	Local Display and Buttons . . . . .	LCD 4-digit, 7-segment
Display Accuracy . . . . .	pH: +/-0.02 pH	Remote Display . . . . .	LED 3-digit
Process Temperature . . . . .	-10° C to +110° C (14° F to 230° F)	Engineering Units . . . . .	pH, mV, Deg. F and Deg. C
Solid State Sensor Survivable Temperature Range . . . . .	-10° C to +130° C (14° F to 266° F)	Calibration Options (pH) . . . . .	1 point Sample or 2 point Sample Auto Buffer Recognition
Electronics Module Ambient Temperature . . . . .	-20° C to +85° C (-4° F to 185° F)	Diagnostics . . . . .	Sensor and electronics
Output Type . . . . .	4-20mA, 600 maximum	Case Sensor . . . . .	Weatherproof, corrosion-resistant plastic housing
Output Scale . . . . .	0-14 pH	Case Remote . . . . .	NEMA 4X, PVC
Remote Mounting Sensor (optional) . . . . .	Submersible to 20 feet	Power . . . . .	110 or 220 VAC - 50/60 Hz 300mA
Sensor Distance . . . . .	25 ft. std (option up to 2000 ft)	Dimensions: Sensor . . . . .	H 4.84" x W 1.89" x D 1.18"
Auxiliary Relays Contacts . . . . .	High Alarm - SPDT 10A @125VAC non-latching Low Alarm - SPDT 10A @125VAC non-latching	Dimensions: Remote . . . . .	H 5.00" x W 7.00 x D 2.00"
		Dimensions: Remote Wall . . . . .	H 10" x W 10" x D 2.25"
		Weight Total . . . . .	4 pounds



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