

# FOX METER, INC

INSTRUMENTATION FOR INDUSTRY

## FV100 Series

4-digit display with 31-segment bargraph  
 uP based electronics, price includes customer  
 specified front legends and scales, bargraph  
 menu selectable dot or filled and bottom or center zero

### Functional Choices

- **FV100:** front panel controls, no setpoint relays
- **FV110:** front panel controls, two setpoint relays
- **FV120:** NEMA 4X (no front panel controls), no setpoint relays
- **FV130:** front panel controls, no setpoint relays, isolated 24VDC excitation
- **FV140:** NEMA 4X (no front panel controls), two setpoint relays
- **FV150:** front panel controls, two setpoint relays, isolated 24VDC excitation
- **FV160:** NEMA 4X (no front panel controls), two setpoint relays, isolated 24VDC excitation
- **FV170:** NEMA 4X (no front panel controls), no setpoint relays, isolated 24VDC excitation

### General Specifications

#### Base meter

- **Display** - 0.3" tall 4-digit with 31-segment bar
- **Bezel** - black epoxy enameled steel
- **Sealing** - NEMA 4X gasketing available
- **Controls** - setpoint, peak, valley, tare, and setup menu accessible via front panel push buttons; NEMA 4X models require FC000-940 remote programmer module
- **Connections** - socketed screw terminal connectors
- **Accuracy** - better than 0.05% F.S. over specified operating temperature range
- **Operating temperature** - -25°C to +80°C
- **Storage temperature** - -55°C to +80°C

#### Outputs

- **Relay** - up to 2 setpoints, 200V @ 1A relay outputs, independently programmable N/C or N/O

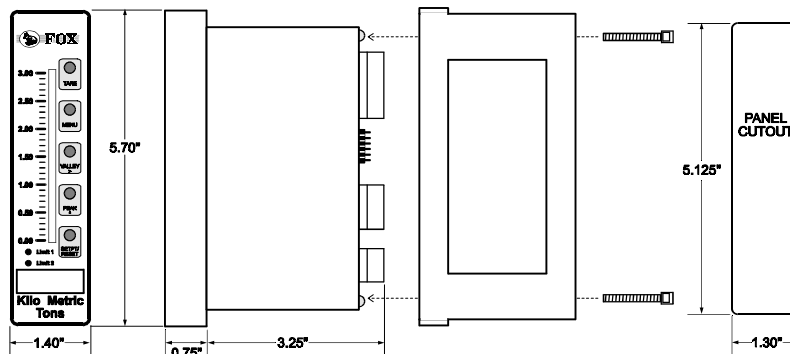
#### Power supplies

- **120 VAC** - 50 / 60 Hz, 20 mA maximum
- **220 VAC** - 50 / 60 Hz, 10 mA maximum
- **5.1 to 12 VDC** - isolated, 100 mA maximum
- **5.1 to 12 VDC** - 100 mA maximum
- **10 to 30 VDC** - 50 mA maximum
- **10 to 30 VDC** - isolated, 50 mA maximum

#### Accessories

- **FC000-940** - remote programmer module..... \$87

### FV100 Series Mechanical Specifications



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# FV100 Series

# Vertical Bargraph

(Voltage, Current, Resistance, Temperature)

Model numbers consist of a three character family number (FV1), an option number, a power supply number, and a three digit input configuration number.

## BASE METER OPTIONS



FV1[0] -no options.....	\$229	FV1[3] - excitation.....	\$245
FV1[1] -two relays.....	\$269	FV1[5] -two relays, excitation.....	\$285
FV1[2] -NEMA 4X, no relays.....	\$244	FV1[6] -NEMA 4X, two relays, excitation.....	\$300
FV1[4] -NEMA 4X, two relays.....	\$284	FV1[7] -NEMA 4X, excitation.....	\$260

## POWER SUPPLY OPTIONS



[1] - 120 VAC 50 / 60 Hz.....	\$20
[3] - 240 VAC 50 / 60 Hz.....	\$30
[5] - 5.1 to 12VDC.....	\$20
[6] - 5.1 to 12VDC isolated.....	\$55
[7] - 10 to 30VDC.....	\$45
[8] - 10 to 30VDC isolated.....	\$80

## SIGNAL INPUT OPTIONS



[110] - Process, 10VDC.....	\$0	[500] - Thermocouple type J.....	\$21
[111] - Process, 5VDC.....	\$0	[510] - Thermocouple type K.....	\$21
[112] - Process, 4 - 20mA.....	\$0	[540] - Thermocouple type T.....	\$21
[200] - RTD, 100 ohm.....	\$31	[610] - DC Voltmeter, 200mVDC.....	\$0
[310] - Resistance, 2 Ohm.....	\$26	[611] - DC Voltmeter, 2 VDC.....	\$0
[311] - Resistance, 20 Ohm.....	\$26	[612] - DC Voltmeter, 20 VDC.....	\$0
[312] - Resistance, 200 Ohm.....	\$26	[613] - DC Voltmeter, 200 VDC.....	\$0
[313] - Resistance, 2K Ohm.....	\$26	[614] - DC Voltmeter, 400 VDC.....	\$0
[314] - Resistance, 20K Ohm.....	\$26	[[710] - DC Ammeter, 200mA internal shunt....	\$0
[315] - Resistance, 200K Ohm.....	\$36	[720] - DC Ammeter, 2A external shunt.....	\$35
[316] - Resistance, 2M Ohm.....	\$36	[730] - DC Ammeter, 20A external shunt.....	\$35
[400] - Straingauge, 30mV w/10VDC excitation.....	\$16	[740] - DC Ammeter, 200A external shunt.....	\$35