

FOX METER, INC

INSTRUMENTATION FOR INDUSTRY

FL100 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

- **FL100:** front panel controls, no setpoint relays
- **FL110:** front panel controls, two setpoint relays
- **FL120:** NEMA 4X (no front panel controls), no setpoint relays
- **FL130:** front panel controls, no setpoint relays, isolated 24VDC excitation
- **FL140:** NEMA 4X (no front panel controls), two setpoint relays
- **FL150:** front panel controls, two setpoint relays, isolated 24VDC excitation
- **FL160:** NEMA 4X (no front panel controls), two setpoint relays, isolated 24VDC excitation
- **FL170:** 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

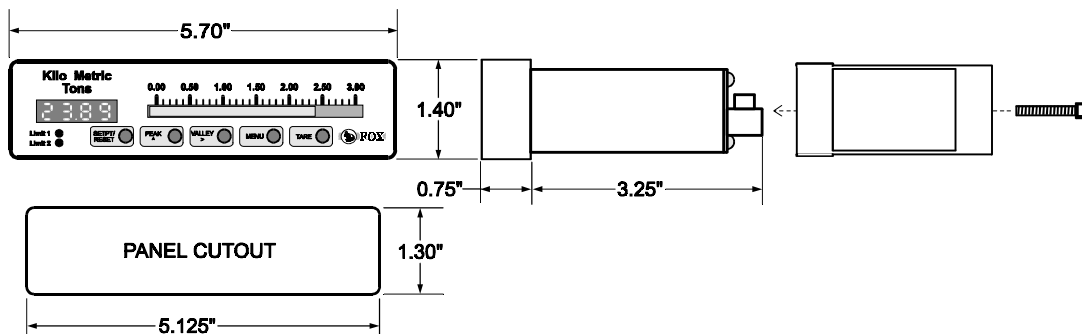
Power supplies

- **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

FL100 Series Mechanical Specifications



FL100 Series

Horizontal Bargraph

(Voltage, Current, Resistance, Temperature)

Model numbers consist of a three character family number (FL1), an option number, a power supply number, and a three digit input configuration number.

BASE METER OPTIONS



| | | | |
|-----------------------------------|-------|---|-------|
| FL1[0] - no options..... | \$229 | FL1[3] - excitation..... | \$245 |
| FL1[1] - two relays..... | \$269 | FL1[5] - two relays, excitation..... | \$285 |
| FL1[2] - NEMA 4X, no relays..... | \$244 | FL1[6] - NEMA 4X, two relays, excitation..... | \$300 |
| FL1[4] - NEMA 4X, two relays..... | \$284 | FL1[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 |