

# series 1200

## LINE POWERED DIGITAL THERMOMETER

**ZYTRON**

The Series 1200 is a miniature panel mounting line voltage powered digital thermometer. A self contained step down transformer provides total isolation of all low voltage control and sensor circuits from the AC power line. A large, bright 2 digit red LED display provides accurate temperature display from an NTC thermistor or solid state temperature sensor.

### HIGHLIGHTS

- low cost
- powered directly from 115VAC
- isolated low voltage sensor circuit
- extremely compact (3"Wx1.3"Hx2.7"D)
- bright .56"H LEDs
- full two-year parts & labor warranty

### FEATURES

- 115VAC input voltage
- 2-digit display
- Fully isolated sensor circuit

### OPTIONS

- 24VAC or 230VAC input voltage
- °F or °C display units
- Front accessible offset adjustment
- Yellow or green LEDs

### PRODUCT applications

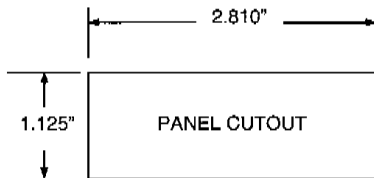
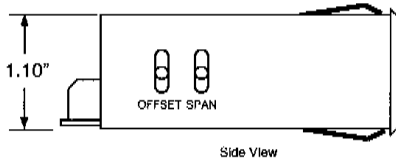
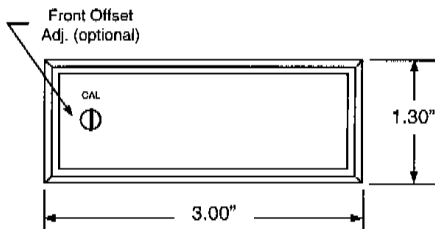
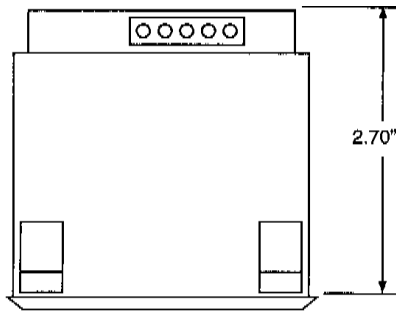
- Incubators
- Freezers
- Refrigerators
- HVAC Systems
- Environmental Chambers
- Laboratory Equipment
- Temperature Baths
- Low Temperature Ovens



# series 1200

## LINE POWERED DIGITAL THERMOMETER

## specifications



**Power Input:** 115VAC  $\pm 10\%$ , 50/60Hz, 2VA max.;  
230VAC or 24VAC optional

**Sensor Type:** NTC Thermistor or  
Solid State Transducer

**Display Type:** 2 Digit Red LED, .56" high standard;  
(Yellow or Green LEDs available)

**Display Range:** -99 to +99°F or °C (sensor dependent)

**Accuracy:** Better than  $\pm 1\%$  of span  $\pm 1$  LSD

**Sensor Fault Prot:** Digits blank and decimal pt. illuminates

**Isolation:** 1500VAC minimum between power input  
terminals and sensor terminals.

**Amb. Oper. Temp:** 0°C to 60°C (32°F to 140°F)

**Oper. Relative Humidity:** 5% to 90%, non- condensing

**Case Material:** Black Noryl

**Mounting:** Snaps into rectangular cutout in  
.032" to .125" thick panel;  
no hardware required.

**Field Wiring:** All field wiring connections via miniature  
screw terminal block at rear of instrument.

**ZYTRON**

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LINE POWERED DIGITAL THERMOMETER

## ordering information

MODEL 1200 - 1 F - 2K1 - 1

**SERIES 1200**

**DISPLAY RANGE**

- 1 +0 to +99
- 2 -99 to +99

**DISPLAY UNITS**

- F Fahrenheit
- C Celsius

**INPUT VOLTAGE**

- 1 115VAC
- 2 230VAC
- 3 24VAC

**CALIBRATION RANGE/SENSOR**

- 2K1 -10F to +45F or -23C to +7C (2K Thermistor)
- 2K2 +45F to +99F or +7C to +37C (2K Thermistor)
- SS1 +32F to +212F or +0C to +100C (Solid State Transducer)
- SS2 -40F to +250F or -40C to +120C (Solid State Transducer)

