

# Temperature Meter with Alarm or On/Off Control Output with Audible Buzzer

## DP7000 Series



- ✓ Bright-Red, 3-Digit LED Display
- ✓ J or K Thermocouple Inputs
- ✓ 15 A Relay Output
- ✓ Simple On/Off Control or Alarm
- ✓ NEMA 4X (IP64) Front Panel
- ✓ Internal Audible Buzzer

The DP7000 Series temperature meters offer a wide temperature range, 2 selectable alarm settings, and an internal buzzer that indicates alarm condition or error. The user can define setpoint, on/off heating/cooling regulation, alarm configuration, load status, and ambient probe adjustment. Other features include password protection and error/alarm messaging. Temperature and output status is indicated on the bright-red LED display. The DP7000 can be programmed for J or K thermocouple inputs.

### Applications

These meters are suitable for industrial chillers, environmental chambers, walk-ins and freezers, heat sealers, sterilizers, coolers, display cases and cabinets, warmers, meat and produce storage, floral preservation, laboratories, food service equipment, ovens and dryers, tool rooms, and burn-in rooms and chambers.

### Specifications

#### Probe Range:

**Thermocouple J:** 0 to 999°C (32 to 999°F)

**Thermocouple K:** 0 to 999°C (32 to 999°F)

**Inputs:** Type J or K thermocouple

**Output:** 16 A SPDT relay @ 240 Vac resistive

**Horsepower Rating (hp):** 1

**Control Type:** On/off



DP7001, shown actual size.

**Power Requirement:** 115 Vac, 230 Vac, 12 Vac/Vdc or 24 Vac/Vdc (depending on model)

**Power Consumption:** 4 VA

**Accuracy:** ±1% FS

**Display:** Three 12.7 mm (½") red digits, plus sign; update rate: 1, 2, 4 or 8 sec (adjustable)

**Resolution:** 1°

**Memory Backup:** Non-volatile memory

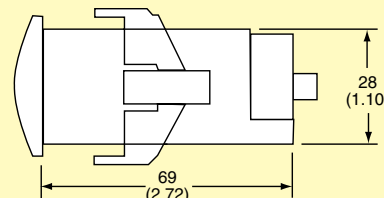
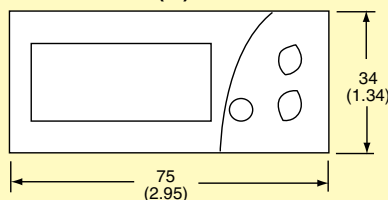
**Operating Temperature:** 0 to 70°C (32 to 158°F)

**Storage Temperature:** -20 to 80°C (-4 to 176°F)

**Weight:** 65 g (2.3 oz)

**Front-Panel Rating:** NEMA 4X (IP64)

#### Dimensions: mm (in)



**Panel cutout:** 71 x 29 (2<sup>51</sup>/<sub>64</sub> x 1<sup>1</sup>/<sub>64</sub>)

### To Order

| Model No. | Description                    |
|-----------|--------------------------------|
| DP7001    | Type J/K input, 110 V, °F      |
| DP7002    | Type J/K input, 110 V, °C      |
| DP7003    | Type J/K input, 230 V, °F      |
| DP7004    | Type J/K input, 230 V, °C      |
| DP7005    | Type J/K input, 12 Vac/Vdc, °F |
| DP7006    | Type J/K input, 12 Vac/Vdc, °C |
| DP7007    | Type J/K input, 24 Vac/Vdc, °F |
| DP7008    | Type J/K input, 24 Vac/Vdc, °C |

### Accessory

| Model No.   | Description                           |
|-------------|---------------------------------------|
| CNQUENCHARC | Noise suppression kit, 110 to 230 Vac |

*Comes complete with operator's manual.*

**Ordering Examples:** DP7001, temperature meter with alarm or on/off control output, degrees °F, with internal audible buzzer.

DP7008, temperature meter with alarm or on/off control output, degrees °C, with internal audible buzzer.