

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°

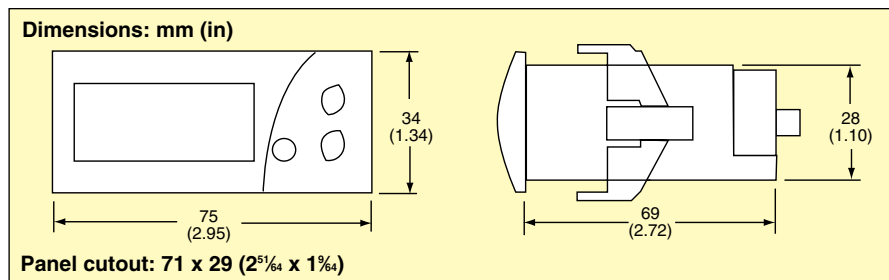
Memory Backup: Non-volatile memory

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)



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.