

# Differential Temperature Meter

## 1/8 DIN Size

MANUFACTURED BY  
**NEWPORT**<sup>®</sup>  
 As seen at [www.newportUS.com](http://www.newportUS.com)

**INFINITY**

- ✓ Temperature Displayed as T1-T2, T1 or T2
- ✓ J, K, T or J DIN Thermocouple Input, User Selectable
- ✓ Optional Programmable Analogue Output
- ✓ Optional Two Form C 6 Amp Relays, Each Relay Independently Assignable to T1, T2, or T1-T2
- ✓ One Touch Tuning in Proportional Mode
- ✓ Peak Memory with One-Touch Recall

The DP26 differential temperature meter is a versatile dual input indicator/controller. The touch of a button toggles the display between T1, T2 and T1-T2. Analogue output is optional, using any of the three values available. The optional control relays for alarms or on-off control can be tied to T1, T2 or T1-T2. The user selects J, K, T or J DIN thermocouple input from the front panel. The units of measure can be switched between °F and °C with the front panel pushbuttons.

The optional analogue output can function as retransmission of temperature (assignable to T1, T2, or T1-T2) or be assigned to Setpoint #1 and used as a proportional control output (relay option also required). Setpoint #1 will still continue to operate as a setpoint, while the analogue output of either 4-20 mA or 0-10 V can be used to proportionally control an external process.

### Specifications

**Isolation:** 354 V peak per IEC spacing; 1500 V peak/1 min test  
**NMR:** 60 dB  
**CMR:** 120 dB  
**Overvoltage:** 240 V rms  
**Display:** Red 14-segment LED, 0.54" (13.8 mm)  
**Analogue-to-Digital Technique:** Dual slope



DP26 Series  
**£283**  
 Basic Unit

5 YEAR WARRANTY  
 UL US

**Internal**  
**Resolution:** 15-bit  
**Read Rate:** 3/sec  
**Polarity:** Automatic  
**Accuracy:** ±0.5°C (0.9°F) above -100°C (-148°F); ±1°C (1.8°F) below -100°C (-148°F)  
**Span Tempco:** ±50 ppm/°C  
**Step Response:** 1 to 2 sec  
**Warmup to Rated Accuracy:** 30 min  
**Relay Outputs (optional):** 2 form C (SPDT) on-off relays, max current 6 Amps, max. voltage 250 Vac or 30 Vdc

**Analogue Output (optional):** 0-10 V, 4 to 20 mA or 0 to 20 mA; user-selectable

**Power:** 115 or 230 V±10%; 10 to 32 Vdc; 26 to 56 Vdc; 6 watts (optional)

**Operating Temp.:** 0 to 60°C (32 to 140°F), RH 90% at 40°C (104°F) (non-condensing)

**Dimensions:** 48 H x 96 W x 152 mm D (1.89 x 3.78 x 6.0")

**Panel Cutout:** 1/8 DIN, 45 H x 92 mm W (1.77 x 3.62")

**Weight:** 574 g (1.27 lb)

### IN STOCK FOR FAST DELIVERY!

#### To Order (Specify Model Number)

Model No.	Price	Input Type	Range
DP26-TC-230	£283	J K T J DIN	-346 to 1400°F (-210 to 760°C) -454 to 2500°F (-270 to 1372°C) -346 to 752°F (-210 to 400°C) -328 to 1652°F (-200 to 900°C)
DP26-RTD-230	283	100 Ω Pt, 0.00385 2-, 3-, 4-wire	-328 to 1562°F (-200 to 850°C)

All units come with a complete operator's manual.

To order for 115 Vac power, remove "230" suffix from part number. No additional charge.

**Ordering Example:** DP26-TC-GN-AR-230, differential thermocouple indicator for J, K, T or J DIN inputs, with green display, analogue output, dual 6 A relays and 230 Vac power, £283 + 66 + 57 = £406

#### Display & Output Options\*

Order Suffix	Add'l Price	Description
-GN	NC	Green display
-A	£66	Analogue output
-R	57	Dual 6 A relays

\*Not field installable.

#### Power Options†

Order Suffix	Add'l Price	Power
-DC10/32	£78	10 to 32 Vdc
-DC26/56	98	26 to 56 Vdc

†Not field installable.