



Wall Mount 1 or 6 Channel Temperature/Process Meters



DP556A-TC

\$695

Shown

- ✓ 3 Year Warranty
- ✓ Large 0.984" Backlit LCD
- ✓ °C/°F Switchable
- ✓ 0.1/1 Auto-Ranging
- ✓ Alarm Option
- ✓ RS-232 Option
- ✓ Splash-Proof Front Panel (IP65)
- ✓ Selectable Thermocouple Input
- ✓ Thermistor Input
- ✓ 3- or 4-wire RTD Input
- ✓ Scalable 4 to 20 mA Input
- ✓ Scalable 0 to 100 mV Input
- ✓ Battery Power Option



Specifications

Inputs: Thermocouple: J, K, T, E, N, R, S and OS36, 37, 38 Infrared;
 RTD: Pt100 2-, 3-, or 4-wire input, Alpha 0.00385, 4 to 20 mA scalable, 0 to 100 mV scalable
 Thermistor: 2252Ω @25°C

Shown smaller than actual size

Display: 4-digit backlit LCD 25 mm (0.984") character height
Accuracy: Thermocouple & RTD ±0.25% of rdg + 0.2°C @ 23°C (73°F); 4 to 20 mA ±0.25% of rdg ±0.02 mA
 Thermistor: ±(0.15% rdg) + 0.2°C;
 0 to 100 mV ±10 μV ±0.15%
Temperature Coefficient: 0.01% of rdg/°
Resolution: 0.1 to 999.9; 1 (above 1000)
Optional Alarm Output: Relay 5 A @ 30 Vdc, 5 A @ 120 Vac
Optional Rechargeable Battery Life: With backlight: 3 Hours
 Without backlight: 2000 Hours
Ambient Operating Temperature: 0 to 50°C (32 to 122°F)
Storage Temperature: -40 to 50°C (-40 to 122°F)
Humidity: 0 to 70% RH
Power: 110 Vac, 240 Vac, 9 to 30 Vac/Vdc, Battery Pack
Dimensions: 185 x 213 x 113 mm (7 x 8 x 4")
Weight: 1.1 kg (2.5 lb)

The DP550 Series of temperature wall mounting meters are highly versatile and accurate. Available as single- or six-input meters, for thermocouple, RTD sensors, thermistors, 4 to 20 mA process inputs, or 0 to 100 mV process inputs, with 0.1 resolution autoranging to 1.0 above 1000. The thermocouple versions are switch selectable for one of six thermocouple types. The PT100 version offers the option of three- or four-wire operation. The 4 to 20 mA or 0 to 100 mV versions can easily be scaled by setting full scale and offset via internal switches. The DP550 Series is microprocessor driven and fully self-calibrating, offering long term stability. The large backlit LCD display is easy to read under dim conditions to bright sunlight and fluorescent lighting.

Input Types and Ranges

Code	Input Type	Range	
J	Iron-Constantan	-200 to 1200°C	-328 to 2192°F
K	CHROMEGA®-ALOMEGA®	-200 to 1372°C	-328 to 2502°F
E	CHROMEGA®-Constantan	-200 to 1000°C	-328 to 1832°F
T	Copper-Constantan	-200 to 400°C	-328 to 752°F
S	Platinum-10% Rhodium/Platinum	-50 to 1767°C	-58 to 3212°F
R	Platinum-10% Rhodium/Platinum	-50 to 1767°C	-58 to 3212°F
N	Nickel 14.2%/Chromium 1.4%-Nickel 4.4% Silicon 0.1% Magnesium	-200 to 1300°C	-328 to 2372°F
TH	Thermistor	-50 to 150°C	-58 to 302°F
RTD	100 Ω Pt	-200 to 850°C	-328 to 1562°F
MA	4 to 20 mA	-1999 to 9999	
MV	0 to 100 mV	-1999 to 9999	

IN STOCK FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
DP551A-TC*	\$595	Single-input J,K,E,T,R,S,N T/C'S
DP556A-TC*	695	Six-input J,K,E,T,R,S,N T/C'S
DP551-RTD	595	Single-input RTD meter
DP556-RTD	695	Six-input RTD meter
DP551-MA	595	Single-input 4 to 20 mA meter
DP556-MA	695	Six-input 4 to 20mA meter
DP551-MV	595	Single-input 0 to 100 mV scalable
DP556-MV	695	Six-input 0 to 100 mV scalable
DP551-TH	595	Single-input thermistor
DP556-TH	695	Six-input thermistor
Options		
-ALM	\$45	Alarm relay
-BATT	150	Rechargeable battery pack power
-9-30	N/C	9 to 30Vac/dc power
-230	N/C	230 Vac power
-C2	40	RS-232 communications

* Thermocouple input versions are also capable of taking signals from OS36-K-80F and OS36-K-440F. OS37/OS38 IR units with either a 20:1 or 100:1 field of view are also compatible. See Section J. OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order.

Ordering Example: DP556A-TC-ALM-BATT, DP550 unit with six thermocouple inputs, portable battery pack and alarm relay, \$695 + 45 + 150 = \$890.
 OCW-1 OMEGACARESM extends standard 3-year warranty to a total of 4 years (\$89), \$890 + 89 = \$979



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters