

Temperature, Humidity Testers & Thermometers



DSP1000 Digital Psychrometer

The DSP1000 provides fast, accurate measurements for analysis of critical environmental conditions.

- Temperature
- Humidity
- Fast Response
- Dual Display
- Max Hold
- No Twirling
- No Reading Charts
- No Water Necessary

Features

- Fast Response Time
- High Accuracy
- Temperature
- Humidity
- Dewpoint Temperature
- Wet Bulb Temperature
- Max Hold
- Data Hold Function
- Micro Processor-based Design
- Dual Display Temperature & Humidity
- Auto Power Off (Disable Sleep Mode)
- Backlight
- 1 Year Warranty

Applications

- Cellophane
- Chemical
- Laboratory
- Pharmaceuticals
- Textile
- Paper
- Photographic
- Printing
- Snowmaking
- Tobacco
- Indoor Air Quality
- Wine Storage
- Floral
- Meat

Specifications

RANGE	
Humidity	0-100% RH (Non-Condensing)
Temperature	-22°F to 212°F (-30°C to 100°C)
Dewpoint Temperature	-22°F to 212°F (-30°C to 100°C)
Wet Bulb Temperature	32°F to 176°F (0°C to 80°C)
ACCURACY	
Humidity	±2% RH (20% RH to 80% RH) ±2.5% RH (all other ranges)
Temperature	±0.9°F/±0.5°C (at 77°F/25°C) ±1.5°F/±0.8°C (all other ranges)
Resolution	0.01% RH, 0.01°F/0.01°C
Response Time	10s (90% at +77°F (+25°C) still air)
Battery Type	9V Battery NEDA 1604, IEC 6F22 (included)
Operation Temperature	32°F to 104°F/0°C to 40°C (<80%RH)
Storage Temperature	14°F to 140°F/-10°C to 60°C (<70%RH)
Size (H X W X D)	8.86" X 1.77" X 1.34" (225mm X 45mm X 34mm)
Weight	7.05oz (200g)



DDT2 Digital Differential Thermometer

With its Dual Display, the DDT2 provides instant measurements for two Temperature points (T1,T2) and their difference (T1-T2).

Features/Benefits

- Dual K-Type Thermocouple Inputs
- Temperature Differential Measurement (T1-T2)
- Records Up to 8 Min/Max/Avg Measurements
- Relative Function provides instant Temperature Difference between successive measurements
- Dual Display
- Auto-Ranging
- Data Hold
- Auto Power Off
- Vinyl Case Included

Applications

- Superheat Measurements (T1-T2)
- Ambient Temperature Measurements
- Food Service
- Oven Temperature measurements
- Surface Temperature Measurements
- Measure HVAC and Refrigeration System Temperatures

PT100 Digital Pocket Surface Thermometer



Features/Benefits

- Ultra sensitive air and surface reading probe
- Provides fast response—within seconds
- Temperature "HOLD" switch—keeps readings fixed

Applications

- Speedy recovery - reclaim temperature measurement
- Measures evaporator plate and condensing temperatures
- Air inlet, outlet and surrounding air

PART NO.	DESCRIPTION
PT100	Fahrenheit Model
PT100C	Celsius Model
PT100H	High Temp. Fahrenheit
PT100HC	High Temp. Celsius

Temperature, Humidity Testers & Thermometers

Temperature and Humidity Tester Specifications

	DDT2	PT100	TPM110	THP2	THC120	STD5-105
# of inputs	2	1	1	1 Temp./1 Hum.	1 Temp./1 Hum.	1
Thermo - couple Type	K		J			
Differential	*					
Data Hold	*	*				
Min/ Max	*				*	
Dual Display	*				Triple Display	
Auto-Off	*					
Temp. Range	-328°F to 2498°F -200°C to 1370°C	PT100/PT100C -40°F to 199.9°F -40°C to 93.28°C PT100H/PT100HC -40°F to 250°F -40°C to 120°C	-70°F to 199°F -56.67°C to 93.28°C	-4°F to 122°F -20°C to 50°C	+32°F to 120°F 0°C to 50°C	-60°F to +160°F -51°C to 107°C
Temp. Resolution	0.1°F -200°F to 200°F 1°F otherwise	0.1°F -40°F to 199.9°F 1.0°F (-40° to 250°F)	1.0°F	0.1°F	0.1°F	0.1°F
Temp. Accuracy	±0.5% Rdg+2°F	0.2 Surface 1.0 Air	±1°F	±2°F	±1.8°F or 1.0°C	
Humidity Range				10% to 90% RH	+10% to 9% RH	
Humidity Resolution				1% RH	1% RH	
Humidity Accuracy				±5% for -40% to 80% RH otherwise	±5% RH ±8%	
Power	9V Alkaline	9V Alkaline	120/240V 50/60 Hz	Button cell (1) LR44	AAA (1) Batteries	Solar
Size (HxLxW)	7.25" X 2.5" X 1.4"	1.5" X 6.75" X 0.8"	3.38" X 3.38"	6.5" X 1.75" X .6"	3.75" X 4 1/8" X 7/8"	4 1/2" X 1 1/8" X 9/16"
Weight	7.2 oz	7.2 oz	7.4 oz	2 oz	3 oz	2 oz
Warranty	1 year	1 year	1 year	1 year	1 year	1 year

K-Type Thermocouple Probes



TPFDA



TPP



TPS

Temperature Probe Specifications

	TPFDA	TPP PIERCING	TPS SURFACE
Temp. Range:	-40°F to 550°F -40°C to 288°C	-58°F to 482°F -50°C to 250°C	-58°F to 1202°F -50°C to 650°C
Subminiature connector	*	*	*
4' bead tip probe with FDA approved insulation	*		
3.7" heavy duty chisel tip insertion probe with handle and 4' cord			
4" heavy duty spring loaded tip surface probe with handle and 4' cord		*	

STD5-105 Solar Powered Digital Thermometer



Features/Benefits

- 60°F to +160°F
- 51°C to 107°C
- 36" Probe Length
- Selector Switch for °F or °C
- 4 1/2" W x 1 1/8" H x 9/16" D
- 3/8" High LCD Display
- 10 Second Update

Applications

- Refrigerator/Freezer
- Food Processing
- Environmental Temperature Measurement

