

PRESSURE/HUMIDITY/TEMPERATURE

PRHTEMP SERIES GENERAL SPECIFICATIONS

Temperature Range: -40 to +80 °C
Temperature Resolution: 0.1 °C
Calibrated Accuracy: ±0.5 °C (0 to +50°C)
Humidity Range: 0 to 100% RH
Humidity Resolution: 0.5% RH
Calibrated Accuracy: ±3%RH (±2% RH at 25 °C)
Pressure Range: 0 to 30 PSIA
Pressure Resolution: 0.002 PSIA
Calibrated Accuracy: ±1.0% FSR at 25 °C; ±0.2% typical
Real Time Recording: When used with a PC.
Reading Interval: 1 per 5 sec. to 1 every 12 hrs.
Calibration: Digital through software
Calibration Date: Auto recorded in device
Data Format: Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration; PSIA, inHg, mmHg, bar, atm, Torr, Pa, kPa, MPa, altitude
Time Accuracy: ±1 min/mon (20 °C, no RS232)
Operating Environment: -40 to +80 °C, 0 to 95%RH g



PRHTEMP101 FEATURES

Memory 13,107
Form Factor A2
Battery Factor 1
Battery Life 1 yr.
Weight 2 oz (60 g)

ORDERING INFORMATION

Item No.	Name	Description
5399-0302	PRHTEMP101	Pressure/Humidity/Temp. Recorder



PRHTEMP110 FEATURES

Memory 16,383
Form Factor A2
Battery Factor 1
Battery Life 10 yr.
Weight 2 oz (60 g)

ORDERING INFORMATION

Item No.	Name	Description
5399-0307	PRHTEMP110	Pressure/Humidity/Temp. Recorder

SHOCK

Our shock devices are battery powered, stand alone 3-axis shock recorders. They measure and record shock as the peak acceleration levels over the user defined interval. Designed for documenting dynamic environments such as moving vehicles, trucks, containers, ships, etc. These devices are valuable in characterizing environments such as production and assembly lines of delicate equipment, IC fabrication, communications and computer components.

SHOCK100 SERIES SPECIFICATIONS

Acceleration Range: ±50 g
Acceleration Resolution: 0.1g (12 bit)
Calibrated Accuracy: ±1 g
Sampling Rate: 2 millisecond (> 500 Hz)
Reading Interval: 8 readings every sec. to 1/hr.
Real Time Recording: When used with a PC.
Calibration: Digital, through software
Calibration Date: Automatically recorded in device
Data Format: Date and time stamped g
Time Accuracy: ±1 minute/month (at 20 °C, RS232 port not in use)
Operating Environment: -20 to +70 °C, 0 to 90%RH



SHOCK101 FEATURES

Memory 43,690 per channel
Form Factor B
Battery Factor 2
Battery Life 7 days
Weight 15 oz (435 g)

ORDERING INFORMATION

Item No.	Name	Description
5399-0601	SHOCK101	Tri-axial Shock Recorder



SHOCK101-EB FEATURES

Memory 43,690 per channel
Form Factor B-2
Battery Factor 8
Battery Life 60 days
Weight 5 lbs (2.3 kg)

ORDERING INFORMATION

Item No.	Name	Description
5399-0606	SHOCK101-EB	Tri-axial Shock Recorder

ULTRASHOCK is a battery powered, stand alone temperature, pressure, humidity and 3-axis shock recorder. The ULTRASHOCK measures and records temperature, pressure and humidity at the selected reading rates, while shock is recorded as the peak acceleration levels over the same interval. Measure and record up to 23,831 measurements per channel. Non-volatile solid state memory. Device is compatible with our software.

ULTRASHOCK SPECIFICATIONS

Measure 3 axis Shock, Temperature, Pressure and Humidity
Temperature Range: -40 °C to +80 °C
Temperature Resolution: 0.1 °C
Calibrated Accuracy: ±0.5 °C (0 to +50°C)
Humidity Range: 0 to 100% RH
Humidity Resolution: 0.5% RH
Calibrated Accuracy: ±3%RH (±2% RH at 25 °C)
Pressure Range: 0 to 30 PSIA
Pressure Resolution: 0.002 PSIA
Calibrated Accuracy: ±1.0% FSR at 25 °C; ±0.2% typical
Acceleration Range: ±50 g
Acceleration Resolution: 0.1g (12 bit)
Calibrated Accuracy: ±0.5 g
Sampling Rate: 2 millisecond (> 500 Hz).
Operating Environment: -20° to +70 °C, 0 to 90%RH non-condensing



ULTRASHOCK FEATURES

Memory 23,831 per channel
Form Factor B
Battery Factor 2
Battery Life 7 days
Weight 15 oz (435 g)

ORDERING INFORMATION

Item No.	Name	Description
5399-0603	ULTRASHOCK	Tri-axial Shock Recorder



ULTRASHOCK-EB FEATURES

Memory 23,831 per channel
Form Factor B
Battery Factor 8
Battery Life 60 days
Weight 15 oz (435 g)

ORDERING INFORMATION

Item No.	Name	Description
5399-0605	ULTRASHOCK-EB	Tri-axial Shock Recorder