REED INSTRUMENTS

Data Logging Thermo-Hygrometer
Model **R6050SD**

CERTIFICATION TRACEABLE AVAILABLE!

WARRANTY 1 YEAR WARRANTY

Features

- Measures relative humidity, ambient temperature and dew point/wet bulb temperatures
- Contact temperature measurement with a type J/K thermocouple option
- Temperature is measured in °C or °F
- Real time data logger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Data hold and Min/Max functions
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes humidity/temperature probe, soft carrying case & batteries

Specifications

Temperature

Measuring Range:	32 to 122°F (0 to 50°C)
Accuracy:	±1.5°F (0.8°C)
Resolution:	0.1°F/°C

Contact Temperature (Probe sold separately)

Measuring Range:	Type K: -148 to 2372°F (-100 to 1300°C)
	Type J: -148 to 2192°F (-100 to 1200°C)
Accuracy:	≥-58°F (-50°C) ±(0.4% + 1°F (0.5°C))
	≤-58°F (-50°C) ±(0.4% + 1.8°F (1°C))
Resolution:	0.1°F/°C

Dew Point

Measuring Range:	-13.5 to 120.1°F (-25.5 to 48.9°C)
Accuracy:	Sum of temp and RH accuracy
Resolution:	0.1°F/°C

Wet Bulb

Measuring Range:	-6.9 to 122.0°F (-21.6 to 50.0°C)
Accuracy:	Sum of temp and RH accuracy
Resolution:	0.1°F/°C

Humidity

Measuring Range:	5 to 95% RH
Accuracy:	±(3% rdg. + 1% RH): ≥70% RH
	±3% RH: < 70% RH
Resolution:	0.1% RH

General Specifications

Display:	Dual Display, LCD
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes

REED

47.3
24.8 °C
%RH

Temperature and Humidity Meter

☼

POWER ESC | FUNC. HOLD NEXT | REC ENTER

SET ▼
TIME CHECK

LOG ▲
SAMPLING CHECK

SD Series Data Logger

SD™ **R6050SD**

1.800.561.8187   www.itm.com   information@itm.com

TECHNICAL DATA

Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds)
External Memory:	Yes, expandable up to 16GB with SD card (optional)
Auto Shut-off:	Yes (after 10 minutes/off)
Kick Stand:	Yes
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	6 x AA batteries or AC Adapter (optional)
Data Output:	Yes (RS-232)
Battery Life:	Sampling Time Dependent
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	10 to 80%
Dimensions:	7 x 2.7 x 1.9" (177 x 68 x 45mm)
Weight:	1.13lb (515g)

R6050SD-KIT
Data Logging Thermo-Hygrometer with Power Adapter and SD Card

Includes:
R6050SD Data Logging Thermo-Hygrometer, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter

Model	Description
R6050SD	Data Logging Thermo-Hygrometer
R9933	Humidity Standard, 33%
R9975	Humidity Standard, 75%
R9980	Humidity Standard, 33% and 75%
R6050SD-PROBE	Replacement Probe for R6050SD
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
TP-01	Beaded Thermocouple
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
SD-4GB	4GB Class 4 SDHC Memory Card
RSD-16GB	16GB Micro SD Memory Card w/Adapter
R6050SD-KIT	Data Logging Thermo-Hygrometer with Power Adapter and SD Card
R6050SD-NIST	Data Logging Thermo-Hygrometer with NIST