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EXTECH® INSTRUMENTS Product DATASHEET

# Temperature/Humidity Datalogger Kits

**Compact, powerful and easy to use — records up to 16,000 readings**

## Features:

- Model 42265 — Temperature Datalogger kit records up to 8000 readings
- Model 42275 — Temperature and Humidity Datalogger kit records up to 16,000 readings (8,000 readings for each parameter)
- Use in storage containers, shipping vans, freezers and more
- Logs data for days, weeks or months — up to 1 year battery life
- Multiple Dataloggers (42260 or 42270) can be programmed and data downloaded from one single docking station
- Programmable sampling rate from 1sec to 2hrs plus Hi/Lo limits with alarm indication
- Program the logger, analyze and store data using Windows® 95/98/2000/NT/ME/XP compatible software
- View temperature (42265) or both humidity and temperature (42275) on LCD display
- Three start methods: Scheduled, immediate or magnetic
- Real time clock stores date & time with data
- Waterproof: 42260 to IP65, Water resistant: 42270
- Wide operating range:

  Humidity: 0 to 100% RH (model 42270)

  Temperature: -40 to 185°F (-40 to 85°C)
- NOTE: Order model 42270 (Datalogger Only) as a replacement unit or as an addition to the kit. The datalogger by itself cannot function without the software and docking station.

Model 42275 kit includes software to analyze and store data.

## Applications:

- Clean rooms
- Freezer
- Shipping crates
- Storage areas
- Refrigerator
- Shipping vans
- Cargo vessels
- Warehouses

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| Specifications | Ranges | Resolution | Basic Accuracy |
|---|---|---|---|
| Temperature: | -40°F to 185oF<br>-40°C to 85°C | 0.1° | ±1°F (-4 to 122°F), ±2°F (-40 to -4°F, 122 to 185°F)<br>±0.6°C (-20 to 50°C), ±1.2°C (-40 to 20°C, 51 to 85°C) |
| Humi dity: | 0 to 100%RH | 0.1% | ±3%RH |
| Datalogging Interval: | 1 sec to 2 hours | | |
| Memory: | Temperature: 8000 points; Relative Humidity: 8000 points | | |
| Dimensions: | 42260 or 42270: 3x2.3x0.88" (76x57.2x22.3mm)<br>42265 or 42275: 4.9x3.8x2" (123.8x95.3x51mm) | | |
| Weight: | 42260 or 42270: 2.6 oz. (72.6g),<br>42265 or 42275: 9oz (254g) | | |

## Ordering Information:

**42275** ..... Temperature/Humidity Datalogger Kit
**42270** .....Temperature/Humidity Datalogger
**42265** .....Temperature Datalogger Kit with PC Interface
**42260** .....Temperature Datalogger for 42265
**159117** .....117V AC Adaptor
**159222** .....220V AC Adaptor
**42299** .....Replacement 3.6V Lithium batteries (2pk)
**422378** .....Replacement Thermal Paper (5pk)

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