

# Digital Multi-Day Current Temperature Protocol

## Field Guide

### Task

Measure the current air temperature.

Measure the current soil temperature.

### What You Need

- A properly sited instrument shelter
- Pen or pencil
- A properly calibrated and installed digital multi-day max/min thermometer
- [Digital Multi-Day Max/Min Thermometer Data Sheet](#), [Integrated 1-Day Data Sheet](#), [Aerosols Data Sheet](#), [Ozone Data Sheet](#), or [Water Vapor Data Sheet](#)
- An accurate watch or other device that tells time

### In the Field

1. Open the instrument shelter and the cover flap of the digital max/min thermometer being careful not to breathe on or touch the air temperature sensor.
2. Record the time and date on your *Data Sheet*.
3. Turn the air temperature display on by pressing the air sensor ON button (upper left button labeled ON on the front of the instrument casing).
4. Read the current air temperature shown in the upper section of the digital display. Record this temperature on your *Data Sheet*.
5. If soil measurements are being taken, turn the soil temperature display on by pressing the soil sensor ON button (upper right button labeled ON).
6. Read the current soil temperature from the lower section of the digital display. Record this temperature on your *Data Sheet*.
7. After all measurements have been taken close the cover flap of the instrument. It will shut off automatically after a short time.