

Water/Soil Temperature sensors for HOBO® H8 and U12 Family data loggers

Sensor enclosed:

- Part number: TMC1-HD (1 ft.)
- Part number: TMC6-HD (6 ft.)
- Part number: TMC20-HD (20 ft.)
- Part number: TMC50-HD (50 ft.)

- Measurement Range: -40° to 50°C (-40° to 122°F) in water; -40° to 100°C (-40° to 212°F) in air
- Accuracy with H8: $\pm 0.5^\circ$ at 20°C ($\pm 0.9^\circ$ at 68°F)
See Plot A on back
- Accuracy with U12: $\pm 0.25^\circ$ at 20°C ($\pm 0.45^\circ$ at 68°F) (insert probe 0.9" min.) *See Plot B on back*
- Resolution with H8: 0.41° at 20°C (0.7° at 68°F)
- Resolution with U12: 0.03° at 20°C (0.05° at 68°F)
- Drift: $< 0.1^\circ\text{C}$ ($< 0.2^\circ\text{F}$) per year
- Response time in air: 3 min. typical to 90% in air moving 1 m/sec (2.2 mph)
- Response time in stirred water: 30 sec. typical to 90%
- Operating range: sensor tip and cable immersion in fresh water up to +50°C (+122°F) for 1 year
- Housing: stainless steel sensor tip
- Probe dimensions: 0.5 cm x 2.5 cm (0.200" x 1.0")
- Weight: 37 g (1.3 oz), 125 g (4.4 oz), or 280 g (9.9 oz) based on cable length

BoxCar® 3.6+ or BoxCar® Pro 3.5+ software is recommended for use with TMC1/6/20/50-HD temperature sensors with H8 loggers. When selecting the sensor type connected to the HOBO H8, choose "TMC6-HA" as that is electrically equivalent to the TMCx-HD series probes. HOBOWare® Pro or HOBOWare® Lite software is required for use with U12 loggers.

