

**T107***T.Weather TORO Weather Station*

# Toro Automated Station

For turf grass water management applications



## Measurements

- Wind speed
- Wind direction
- Air temperature
- Relative humidity
- Precipitation
- Solar radiation—sun plus sky radiation

## Overview

For turf grass water management applications, Campbell Scientific's T.Weather T107 station and Toro's Central Irrigation and Control System<sup>a</sup> automatically monitors meteorological conditions that affect

turf grass water consumption. This information is used by the Central Irrigation System to analyze current irrigation requirements.

## Benefits and Features

- › CR1000-based system
- › Commonly used suite of sensors that supports many applications
- › Watertight enclosure that protects electronics and enhances long-term reliability
- › Low power consumption
- › Slim, vertical profile for a more attractive station
- › Sealed circular connectors provided on the outside of the enclosure that simplify sensor hookup

<sup>a</sup>Information on TORO Irrigation Systems is available from your local TORO distributor.

More info: 435.227.9120

[www.campbellsci.com/t107](http://www.campbellsci.com/t107)



## Standard Components

Configuration of the station requires selection of a charging source option, communication option, and wind sensor option.

- 1 CR1000M Measurement and Control Module
- 2 7 A h sealed rechargeable battery (choose option -AC to recharge this battery via ac power or option -SP to recharge the battery via a 10 W solar panel)
- 3 CS305-ET Solar Radiation Sensor
- 4 HMP60-ETS Air Temperature and Relative Humidity Probe with MetSpec radiation shield<sup>b</sup>
- 5 TE525-ET Tipping Bucket Rain Gage
- 6 Wind Sensor (option -GW WindSonic1-ETM 2-D Sonic Wind Sensor is shown at right; option -MW 034B-ETM Wind Set is also available)
- 7 Short-haul modem (option -SH) or phone modem (option -PH)
- 8 3 m Aluminum Pole
- 9 Environmental Enclosure



<sup>b</sup>Older models of the T107 station used an R.M. Young 6-Plate Radiation Shield to house the air temperature and relative humidity sensor. The replacement sensor for these older stations is the HMP60-ETR, which includes an adapter for the R.M. Young shield. You can determine which radiation shield your station has by looking for wingnuts on the bottom of shield. The MetSpec radiation shield has wingnuts.