

# READYWEATHER

## DATA-TO-DESKTOP WEATHER STATION

**AUTOMATED  
DATA UPLOAD  
TO THE CLOUD  
FOR REMOTE  
ACCESS FROM  
ANY SMART  
DEVICE OR  
COMPUTER**



### MEASUREMENTS:

- WIND SPEED
- WIND DIRECTION
- AMBIENT TEMPERATURE
- RELATIVE HUMIDITY
- BAROMETRIC PRESSURE
- PRECIPITATION
- SOLAR RADIATION

ReadyWeather is the newest addition to the Met One Instruments, Inc. family of data-to-desktop products, designed with ease of use and data integrity in mind. This rapidly deployable weather station may be used in fixed or temporary installation applications, with components built to endure extreme weather conditions.

ReadyWeather is a full-featured weather station made up of Met One's AIO 2 Sonic Weather Sensor, the CCS+ Comet Cloud Modem, 360 Precipitation Gauge, and 10718 Solar Radiation Sensor, all of which mounts to a 10' aluminum tripod with a power supply and cable interface box. Utilize real-time cloud data viewing and retrieval on your customized web page dashboard, with automated data upload to the Cloud for remote access from any smart device or computer.

### APPLICATIONS:

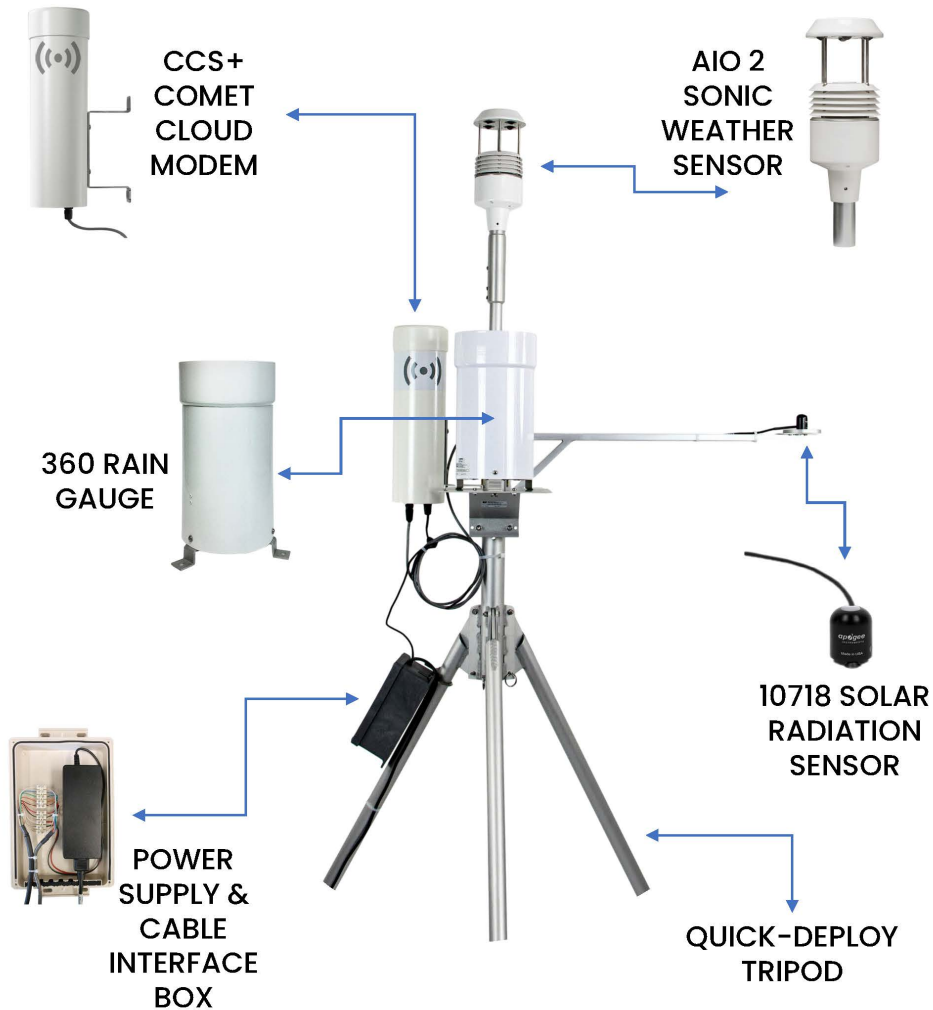
- ROADSIDE MONITORING
- WASTE WATER TREATMENT PLANTS
- GREENHOUSE & CROP MANAGEMENT
- SMART CITIES
- BACKGROUND WEATHER MONITORING



## READYWEATHER

### DATA-TO-DESKTOP WEATHER STATION

#### CONFIGURATION:



**ALWAYS BE WEATHER READY  
WITH MET ONE'S READYWEATHER**

#### ALSO INCLUDED:

- 10523 Mounting Adapter
- 10624 AIO-Power & Interface Cable
- 3519 Precipitation Gauge Cable
- 82839 AIO-CCS Cable

## AIO 2 Sonic Weather Sensor:

### Wind Speed & Direction

- Wind speed range: 0 to 75 m/s (0 to 168 mph)
- Wind speed accuracy:  $\pm 0.5$  m/s or 5% of reading whichever is greater.
- Wind direction range:  $0^\circ$  to  $360^\circ$
- Wind direction accuracy:  $\pm 5^\circ$  (including compass)
- Starting threshold: 0.2 m/s (.45 mph)

### Temperature

- Range:  $-40^\circ\text{C}$  to  $+60^\circ\text{C}$  ( $-40^\circ\text{F}$  to  $140^\circ\text{F}$ )
- Accuracy:  $\pm 0.20^\circ\text{C}$  ( $0.36^\circ\text{F}$ )
- Resolution:  $0.1^\circ\text{C}$
- Sensor Type: Resistance
- Response Time: 1 second

### Relative Humidity

- Range: 0 to 100% RH
- Accuracy:  $\pm 3\%$
- Resolution: 1.0%
- Response Time: 1 second
- Sensor Type: Capacitive/ Solid State

### Barometric Pressure

- Range: 500 to 1100 hPa
- Accuracy:  $\pm 0.5$  hPa,  $\pm 0.3$  hPa Optional (across entire operating range)
- Resolution: 1.0%
- Sensor Type: Piezoresistive Silicon
- Response Time: 1 second

### Alignment Compass

- Accuracy:  $\pm 2\%$
- Resolution:  $1^\circ$

## 10718 Solar Radiation Sensor

- Element: silicon solar cell
- Range: 300-1100 nanometers
- Accuracy:  $\pm 5\%$
- Response time:  $< 1$  ms

## CCS+ Comet Cloud Modem

- I/O interface: MOI 7500 Protocol
- Network Compatibility: Verizon™ 4G LTE (U.S. Domestic); GSM (Internationally with Over 550 Networks)
- Data Collection: Every 1 second
- Data Upload: 15 minute average Domestic/ 1 hour average International/ 5 minute plan available
- Data Storage Cloud: 2 years (oldest data overwritten after that)
- Enclosure Rating: IP64

## 360 Precipitation Gauge

- Element: Reed switch rated at 10 mA, 28 VDC (maximum)
- Funnel Area: 200 cm sq
- Accuracy:  $\pm 1\%$  (0 to 30 mm/hr);  $\pm 5\%$  (30 to 120 mm/hr)
- Calibration: 0.01-in standard (0.2 mm or 0.25 mm optional)

## 905 Aluminum Tripod

- Extendable from 6 ft. to 10 ft.
- Collapsed Length: 48 inches

### Software:

- COMET
- AIR PLUS data logger support software provides simple remote data retrieval, viewing, and exporting.

Specifications are subject to change at any time.

