

MSO-210: MECHANICAL WEATHER STATION

FEATURES

- Climatronics Met Station One Mechanical Weather Sensor
- Climatronics 6" Rain Gauge
- Climatronics WeatherView Software
- Battery Backup
- IMP-895 Data Logger

MEASUREMENTS

- Wind Speed
- Wind Direction
- Air Temperature
- Relative Humidity
- Barometric Pressure
- Precipitation

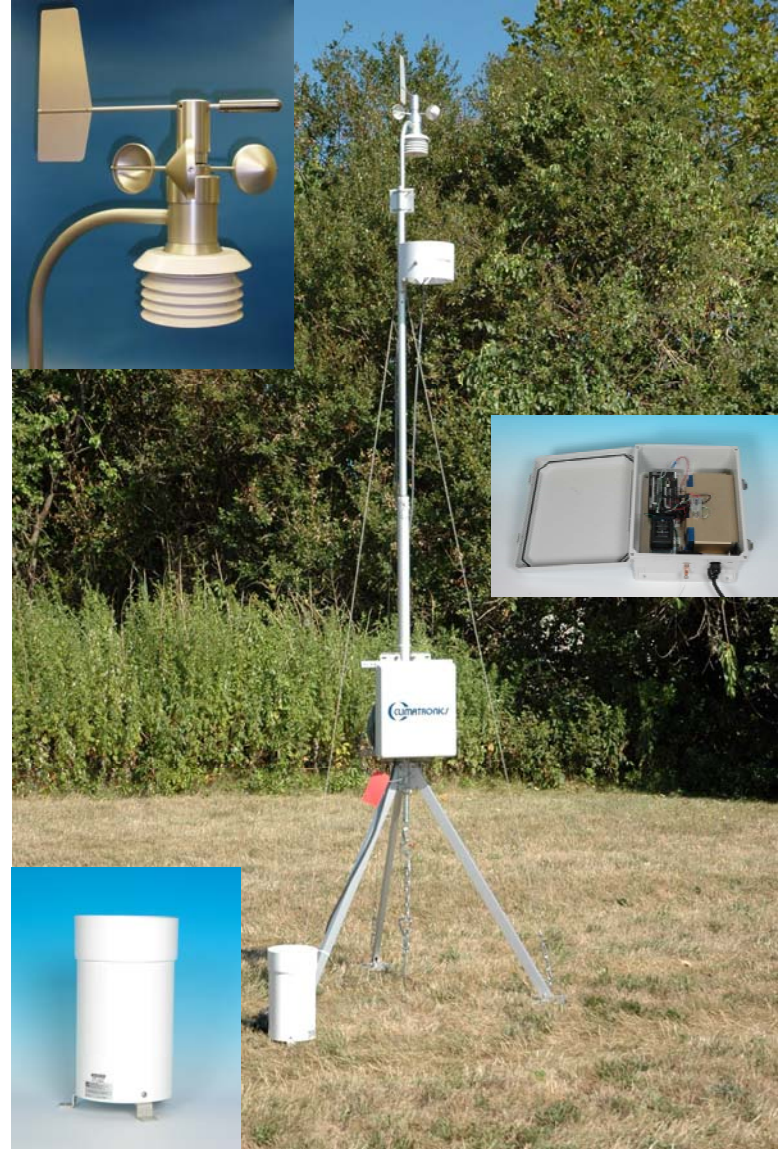
APPLICATIONS

- Environmental Monitoring
- Climatological Studies
- Permanent or Temporary Monitoring Programs

Climatronics' MSO-210 is the most versatile, reliable, and affordable weather station available today. The MSO-210 will measure, collect, and display real-time weather conditions on personal computers, websites, or corporate intranet applications.

The Climatronics Met Station One, the principal sensor of the MSO-210, is a multipurpose electromechanical weather station, combining a number of proven technologies into a single integrated package. The result is a complete set of weather sensors operating as a single device. The output of the Met Station One is a serial, digital ASCII data message, which is seamlessly compatible with the MSO-210 data logger.

The MSO-210 is highly modular and can be configured to operate in remote locations with an optional compact solar panel and rechargeable battery.



MEASUREMENT	RANGE	ACCURACY	RESOLUTION
Wind Speed	0-50 m/s (0-112mph)	±2 m/s or 2% of reading ¹	0.1 m/s
Wind Direction	0-360°	±5°	1.0°
Temperature	-40° to 60°C (-40° to 140°F)	±0.5°C ²	0.1°C
Relative Humidity	0 -100 %	±4 %	1.0 %
Barometric Pressure	500 – 1100 mbar (17.7 – 32.5 in Hg)	±2 mbar ³	0.1 mbar
Precipitation	0.25 mm (0.01") increments	1 % @ 0 – 30 mm/Hr	0.25 mm

Notes: ¹ Whichever is greater; ² Sensor element; ³ At constant temperature (25°C)