

Cumulus automatic weather station

- ❑ **Quality automatic weather monitoring system.**
- ❑ **Pre-configured for quick set-up within minutes.**
- ❑ **Simple, user friendly Cumulus software.**
- ❑ **Range of communication options for remote operation.**
- ❑ **Battery, mains electricity and solar powered versions.**



The Cumulus weather station provides a reliable and cost effective means of recording meteorological data. Cumulus automatically measures, records and stores weather information, covering the key meteorological parameters. The datalogger reads the sensors, at user defined intervals, and electronically stores the data. Unlike other weather stations where a time consuming set up and configuration time is involved, the Cumulus' datalogger is pre-configured by us, to your requirements. If you then subsequently need to change the configuration, all that is required is for you to email ELE the file and we will change it for you. Data for the datalogger can be retrieved using a computer, either directly or by telephone modem. All Cumulus weather stations are supplied with the Cumulus software package. This Windows® based software allows the user to view real time readings, start and stop datalogging, collect stored readings, view and graph recorded data, and transfer data to commercial spreadsheets. There are four standard systems, but if you require a system with fewer sensors or several of the same type, systems can be created from the sensors listed below and the parts listed in the accessories section.

Data for the datalogger can be retrieved using a computer, either directly or by telephone modem. This Windows® based software allows the user to view real time readings, start and stop datalogging, collect stored readings, view and graph recorded data, and transfer data to commercial spreadsheets. There are four standard systems, but if you require a system with fewer sensors or several of the same type, systems can be created from the sensors listed below and the parts listed in the accessories section.

Specifications

Sensor	Range	Resolution	Accuracy	Part Number
wind speed	0.25 – 65m/s	0.1m/s	± 2%	508-170
wind direction	0 – 360°	1°	± 2°	508-171
solarimeter	0 – 2000W/m ²	1W/m ²	± 3%	508-172
air temperature	-40 to +80°C	0.1°C	± 0.5°C	combined air temp & relative humidity sensor 508-173
relative humidity	0 – 100%	1%	± 2%	
barometric Pressure	600 – 1100mb	1mb	± 1mb	508-175
rain gauge	N/A	0.2mm	1%	508-176
soil temperature	-20 to +80°C	0.1°C	± 0.2°C	508-178

Ordering Information

- 508-100 Cumulus System.** Consisting of 2m frame, datalogger, software, sensors: wind speed & direction, solarimeter, air temperature and relative humidity, barometric pressure, rain gauge and soil temperature.
- 508-102 Cumulus System.** As 508-100 but with solar panel.
- 508-105 Cumulus System.** As 508-100 but also including portable data collection and processing device.
- 508-110 Cumulus Wind Monitoring System,** with; frame, datalogger, software, battery & charger, sensors for wind speed & direction.

Accessories

- 508-150 Cumulus datalogger,** supplied with enclosure, rechargeable battery, 5m RS232 cable and software.
- 508-160/09 Battery charger**
- 508-162 Rechargeable battery**
- 508-164 Solar panel**
- 508-180 Cumulus 2m frame**
- 508-182 Tripod base,** for portable operation.
- 508-188 USB serial adapter and software,** for facilitating data download to PC's with USB ports.
- 508-192 10m combined RS232 communication & power supply cable**
- 508-194 100m combined RS232 communication & power supply cable**
- 508-197 Battery powered telephone modem,** for Cumulus weather station.
- 508-199 GSM modem,** for Cumulus AWS. With car battery lead and clips. Car battery not included.
- 508-186 Cumulus tool kit**

ELE International
Chartmoor Road, Chartwell Business Park,
Leighton Buzzard, Beds, LU7 4WG, England
Tel: +44 (0) 870 777 7717
Fax: +44 (0) 1525 249 249
e-mail: envsales@eleint.co.uk
http://www.ele.com

Distributor:

ELE Environmental Division