



# MS900C WEATHER STATION

- ✓ Sensors mounted and screened for precise measurements
- ✓ Reliable operation and easy inspection
- ✓ Long lifetime from quality sensors
- ✓ Virtually maintenance-free



## All sensors combined in one compact unit

MS900C is the compact outdoor meteorological station for the LCC climate computer series. Six high quality sensors for measuring conditions outside are mounted on a boom. The sensors measure the outside temperature, wind direction, wind speed, solar radiation, light intensity and rain. As an option, outdoor humidity can also be measured.

The outside temperature sensor is screened so that solar radiation and rain does not influence the sensor. The sensors have been placed on a boom so no shadows reach the sensors, which could interfere with the measurements.

### Weather data to all computer units in the net

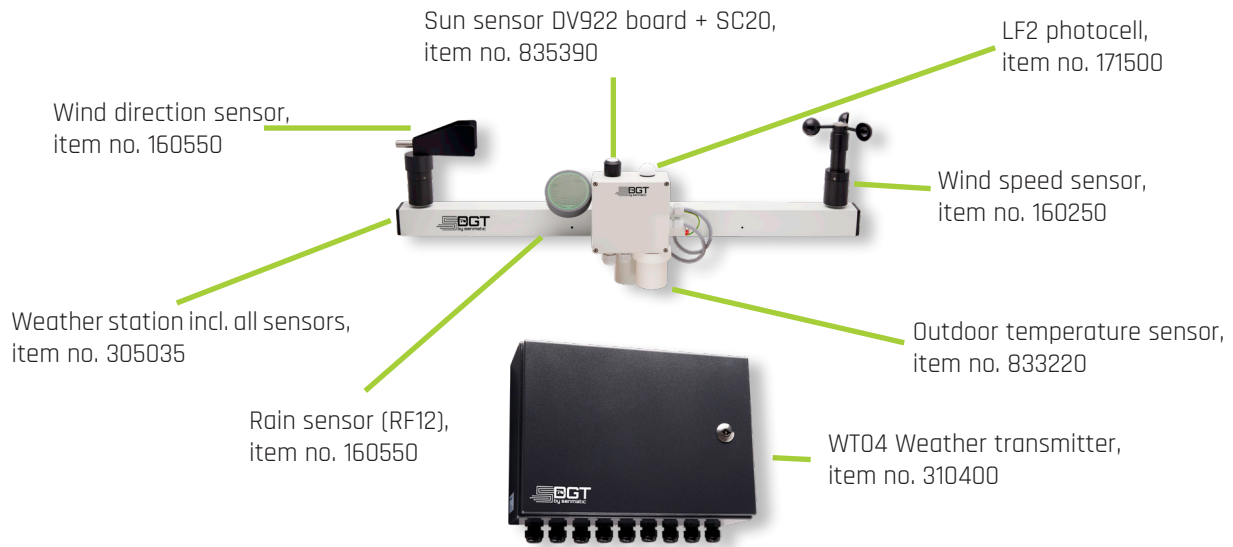
The boom is placed on a mast to avoid exposure to shadow and false wind. There must also be easy access for inspection.

The weather sensors are virtually maintenance free; only the rain sensor requires cleaning twice per year. To distribute the signals from the weather sensors to the LCC System, weather transmitter WT04 should be purchased. The WT04 is placed indoor.

See next page for indication of name and item no. for the individual parts of the weather station MS900C.



## SPECIFICATIONS / MS900C WEATHER STATION OPEN FIELD



### Technical specifications

Outside temperature:	From -25 to +60° C (From -13 to +140° F)
Accuracy:	±0.3° C (0 - 50° C) ±0.6° F (32 to 122° F)
Reaction time:	5 minutes
Wind direction:	360 degrees
Margin:	±10 %
Accuracy:	±1 %
Wind speed:	0 - 40 m/s
Accuracy:	±10 % 2 - 30 m/s
Sun radiation:	0 - 1000 W/m <sup>2</sup>
Spectral sensitivity:	400 - 1100 nm
Rain:	Capasitive sensor
Supply voltage:	230 V +10 % -15 %, 50/60 Hz
Alarm output:	1 potential free contact max. 42 V AC, 2 A
Digital inputs:	4 potential free 5 V, 10 mA
Analogue inputs:	4 0 - 5 V Standard DGT by Senmatic
Communication:	ARC-net with RS485 interface

### Physical specifications

Transmitter	
Dimensions H x W x D:	200 x 300 x 100 mm (8 x 12 x 4")
Weight:	1 kg (2.2 lb)

### Boom

Dimensions H x W x D:	200 x 800 x 100 mm (8 x 32 x 4")
Weight:	1.9 kg (4.2 lb)
Connector:	1" muff for iron pipe
Proofing:	IP54
Emission:	EN50081-1
Immunity:	EN50082-1
Temperature:	0 - 50° C (32 - 122° F) Without direct sun radiation
Humidity:	0 - 95 % RH Without condensation

### Accessory HS10 sensor

Humidity:	10 - 100 % RH Option - not standard
Accuracy:	±3 % (40 - 100 % RH)
Reaction time:	15 seconds



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#### Distributor:

Version: 06112023

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