



BASIC METEO STATION BMS 01

The Basic Meteo Station of Mierij Meteo. Consists of a combination of sensors and an electronic unit of Industrial Class. The sensor signals are being processed in the electronics unit and send to a PC or laptop in serial format (RS-232 / RS-422). Our Weatherstation Software presents the actual weather situation on the PC by a graphic lay-out. If the computer is connected with the electronic unit the measured data can be stored by the computer (PC or laptop works like a datalogger). The software has also alarm functions. After exceeding the adjusted level an alarmbox appears on the screen.



The Weatherstation Software will be delivered in a standard configuration with graphic presentation of the parameters, and with a programmed data log function. The graphic presentation, the data log function and the alarm settings can be changed easily by the user.

The Basic Meteo Station is developed for easy installation and especially the software is user friendly.

FEATURES

- Solid State Wind sensor
- Accurate, reliable and excellent performance
- Temperature/humidity sensor including radiation shield
- Rain gauge
- Electronic unit
- μ Processor for processing signals and calculating averages
- Protected against outside inductive interference (inside the electronic unit)
- Tripod (optional) deliverable with 3 meter extension mast

METEO PARAMETERS

- Wind direction
- Wind speed
- Temperature
- Relative humidity
- Precipitation



TECHNICAL SPECIFICATIONS

MMW005

PERFORMANCE

Operating range:	Wind speed 0...25 m/s Wind direction 0..360°
Inaccuracy (typical):	Wind speed 0.5 m/s \pm 3% @ 20°C Wind direction \pm 3° @ 20°C
Response time:	< 2 seconds

PHYSICAL

Operating temperature:	-25...+70°C
Static discharge:	The instrument is protected against outside inductive interference up to a discharge power of 600 Watt
Protection:	IP-65

ELECTRICAL

Supply voltage:	12 VDC
Power consumption:	1.5 Watt (max)
Output signal:	RS 422 (NMEA 0183; \$WIMWV)



TECHNICAL SPECIFICATIONS

TEMPERATURE/HUMIDITY SENSOR MODEL 263-T

PERFORMANCE

Operating Range:	Humidity	0-100 % RH
	Temperature	-40...+60°C
Inaccuracy @23°C:	Humidity	± 1.5% : 0-100% RH
	Temperature	± 0.3°C
Response time:		< 1 second

PHYSICAL

Static discharge:	The instrument is protected against outside inductive interference up to a discharge power of 1500 Watt
Protection:	IP-65

ELECTRICAL

Supply voltage:	24 VDC or 24 VAC
Power consumption:	55 mA
Output signal:	0-20mA / 4-20mA / 0-5V / 0-10V @ 0...100%



TECHNICAL SPECIFICATIONS RAIN GAUGE MODEL 200

PERFORMANCE

Resolution:	0.2 mm
Accuracy:	± 4%
Principal of measurement:	tipping bucket

PHYSICAL

Operating temperature:	0...+60°C
Funnel orifice:	210 cm ²

ELECTRICAL

Output signal:	Magnetic reed switch
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More specifications of the electronics unit and software are available on request.