



## WEATHER STATION METEO 2000

The Meteo 2000 weather station consists of a set of wind sensors, an outside temperature sensor and an indoor display.

The set of wind sensors comprises an anemometer and a wind vane, mounted on a single bracket. The sensors measure optically, so they have no moving electrical components, which warrants a long lifespan. The temperature sensor is made up of a remote sensing element in a radiation shield with a mounting bracket. The sensors are directly connected to the display, which also supplies power to the sensors.

The design of the charcoal grey displays is timeless. The displays are mounted in a frame, and are flat, very thin, easy to read and available in three sizes. They can easily be cleaned with a slightly damp cloth. The displays are optional available with provisions for panel mounting.

The Meteo 2000 weather station is easy to install. Connections can be made with the aid of the wiring diagram provided. Meteorological advice regarding suitable locations for the sensors can be obtained from Mierij Meteo.





## TECHNICAL SPECIFICATIONS: METEO 2000

### ANEMOMETER

Operating Range:	0...30 m/s
Resolution:	0.07m
Material:	ABS / Polyamide
Output Signal:	12 pulses per revolution, 0...435Hz @ 0...30m/s
Cable Length:	20 metres of 3 x 0.14 mm <sup>2</sup> , optionally up to 100 m.
Installation:	Vertically, free-standing.

### WIND VANE

Operating Range:	0...360°
Resolution:	22.5°
Material:	ABS / Polyamide and Stainless Steel.
Output Signal:	4 bits parallel Gray code.
Cable Length:	20 metres of 7 x 0.14 mm <sup>2</sup> , optionally up to 100 m.
Installation:	Vertically, free-standing, with the marking hole in the housing aligned to face north.

### TEMPERATURE SENSOR

Operating Range:	-30...+40°C
Accuracy:	± 0.5°C
Material:	Radiation shield white nylon, Temperature element stainless steel in plastic swivel, mounting bracket stainless steel.
Cable Length:	10 metres of 4 x 0.14 mm <sup>2</sup> , optionally up to 50 m.
Installation:	On a pole, 1.5 m above ground level, or on an outside wall facing north, preferably at a height of 1.5 metres.



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### DISPLAY

Available Dimensions (h x w x d):	Model 1014 10 x 14 x 2.5 cm (windspeed / direction) Model 1216T 12 x 16 x 1.5 cm Model 3040A 27 x 40 x 1.5 cm Model 6080A 57 x 73 x 1.5 cm
Temperature Display:	2 x 7-segment digits and a "minus" led.
Wind Direction Display:	16-led wind rose
Wind Speed Display:	Model 1014, 1216T 30-step led bar Model 3040A and 6080A 13-step led bar
Power Supply:	By means of the 230VAC/12 Volt adapter provided.
Sensor Connection:	1216T in a connector block outside the display. 3040A and 6080A on a terminal strip inside the display.
Installation:	Indoor wall mounting by means of two mounting holes.

### OTHER

Warranty:	1 year.
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