

MISTRAL WIND GAUGE

Provides accurate wind speed measurement on an extra large scoreboard

Overview

MISTRAL consists of an ultrasonic wind sensor and a LED display with 25 cm high digits for an outstanding viewing range of up to 125 metres. The LED brightness automatically adapts to the ambient light thanks to a sensor. In addition, the field of vision is optimized thanks to the 15° inclined display.

MISTRAL provides wind speed data through a RS422 serial line, or through an optional Bluetooth link, for use by external devices such as a Scan'O'Vision STAR camera.

The data acquisition is performed with a pushbutton included in the package. The measurement duration is selectable by a switch placed at the rear of the casing. The data acquisition and duration of the measure can also be controlled by a Scan'O'Vision camera.

MISTRAL offers full compliance with the requirements of the relevant sport regulations at the highest levels of competition. MISTRAL can be mains- and battery-powered. Compact and self-contained, MISTRAL offers consistent performance throughout its life with no loss of accuracy, thanks to the absence of moving parts in its ultrasonic, omnidirectional sensor head. In compliance with the IAAF regulations for athletics competitions, it can be precisely positioned at a height of 1.22 metres above the ground. High quality materials are used in its design, and all components are thoroughly tested before assembly; its robust construction results in maintenance-free operation. Thanks to these advanced features, MISTRAL provides accurate results in all weather conditions. MISTRAL is the perfect answer whenever you need wind speed measurements to be displayed.



MISTRAL display with its multidirectional wind sensor

Top features

- Ultra compact
- Self contained
- No loss of accuracy
- No moving parts
- 360° sensitivity
- Adjustable height
- Maintenance free operation
- Reliable ultrasonic technology
- Internal battery



height adjustment



Large display for high visibility

Specifications

Article number :	3436.900
Dimensions (WxHxD) :	850 x 1390 x 415 mm (raised) 850 x 760 x 200 mm (lowered)
Weight :	21 kg (with sensor head)
Measure duration :	5, 10 or 13 s, 1 to 30 s with RS422 serial remote control
Display :	2 digits, 150 amber LEDs each, 250 mm height, minus sign
Light sensor :	4 steps, autodetection
Display duration :	3 minutes after each measurement
Range :	-9.9 m/s to +9.9 m/s
Accuracy :	± 0.1 m/s
Inputs/outputs :	Sensor head : Tu 7pF RS232 (bidirectional) Display, remote control : 2x Tu 7pF RS422 (bidirectional) Start Measure : banana plug AC power plug
Power supply :	100-230 VAC 50/60 Hz
Power consumption :	110 VA
Battery life :	~ 12 hours* at maximum luminosity ~ 60 hours* at minimum luminosity (* measured at 20°C with 1 measurement every 10 minutes)
Operating temperature :	0 to +50°C
Storage temperature :	-25 to +70°C
Protection :	IP54 (IP65 for the sensor head)
Certification :	CE and RoHS compliant



MISTRAL rear view

For more specifications about the sensor head itself, please check the "SIROCCO" leaflet.

Options

3436.900.BT	MISTRAL pre-equipped with Bluetooth link
3440.700	BlueLink, external Bluetooth wireless serial adapter
3434.990	USB interface box INT131 (USB to 2x RS232 and 2x RS422)
1872.100	100 m cable on winder (Tu 7pM - 7pM) (link between MISTRAL and INT131 interface)
1873.100	100 m cable on winder (Tu 7pM - 7pF) (extension cable)

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3442.527.02 - S9

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