LONG RANGE
WIRELESS ANEMOMETER & LOGGER
WL12/D

FUNCTIONS
- current wind speed
- wind direction
- temperature
- 24h wind speed, wind direction and temperature history graphs
- 7 days history of maximum and average wind speed
- date and time

FEATURES
- easy-to-use solution for wind site evaluation
- easy installation without running cables
- shows and store all vital wind data
- range up to 250 m (1000 m with external antenna and extended range sensor)
- up to 1 year battery life
- battery or external powered
- built-in battery back-up real time clock
- large, night illuminated LCD display

Store to SD card
- average and maximum wind speed in selected interval
- average wind direction (with WSD sensor)
- temperature
- each data has date and time stamp

HISTORY DISPLAYS
COMPATIBLE SENSORS:

WS 010-1 (standard range WS sensor)  WSD 010-1 (standard range WSD sensor)
WS 011-1 (extended range WS sensor)  WSD 011-1 (extended range WSD sensor)

ORDERING:
Display unit
1 WL12/D display unit

Sets with sensors included
2 WL12/WS display unit, standard range WS sensor
3 WL12X/WS display unit, external antenna, extended range WS sensor
4 WL12/WSD display unit, standard range WSD sensor
5 WL12X/WSD display unit, external antenna, extended range WSD sensor

OPTIONS
Wind tunnel certificated version available

OPTIONAL ACCESSORIES
1 External SMA antenna
2 External antenna with 4 m cable, magnetic mounting
3 YAGI antenna
4 Spare micro SD card
5 USB / micro SD adapter
6 External power adapter

MOUNTING ACCESSORIES
Display magnetic mounting assembly
TECHNICAL DATA

Logging: average and maximum wind speed, wind direction, temperature
Logging interval: selectable: 10 s, 1 min, 10 min, 60 min
Data recording: up to 12 months, .txt data format
Memory card: micro SD (enclosed)
Wind speed measurement range: 0,6...50 m/s
Wind direction measurement range: 0°– 359°
Temperature measurement range: -30....+60 °C
Wind speed units: m/s, km/h, knots, mph
Temperature units: °C, °F
Wind speed resolution: 0,1 m/s
Wind direction resolution: 1°
Temperature resolution: 1°C
Wind speed accuracy: +/- 2,5 %, calibration possible in 0,5% steps
Wind direction accuracy: +/- 2,5°, adjustable offset +/- 180°
Temperature accuracy: +/- 1°C, calibration possible in 0,5 °C steps
Communication frequency: 868 MHZ
Data transmitting: every 2 seconds
Range:
- with internal antenna and standard range sensor up to 250 m visible distance
- with external SMA antenna and extended range sensor up to 1000 m visible distance
- with Yagi antenna 3-4 x nominal range
Battery: 4 x 1,5 V AA battery (not included)
Battery life: up to 12 months (without display illumination)
External power supply: 5V DC
External power connector: micro USB (adapter is not enclosed)
Casing: ABS, 115 x 83 x 32 mm
Antenna input: 50 Ohm, SMA connector