

LONG RANGE WIRELESS ANEMOMETER & LOGGER WL12/D



FEATURES

- easy-to-use solution for wind site evaluation
- stores more than one year wind history data
- 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

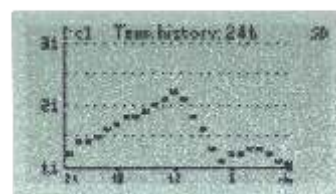
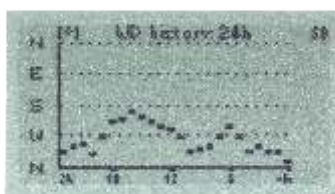
FUNCTIONS

- 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
- wind speed alarm - acoustic and optical

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 010-1A (standard range WS sensor)
 WS 011-1A (extended range WS sensor)
 WS 011-1A-EX (Atex certified WS sensor)



WSD 010-1A (standard range WSD sensor)
 WSD 011-1A (extended range WSD sensor)
 WSD 011-1A-EX (Atex certified WSD sensor)

ORDERING

Display unit

1 **WL12/D** display unit, long SMA antenna

Sets with sensors included

- 2 **WL12/WS** WL12/D with WS 010-1 sensor, short SMA antenna
- 3 **WL12X/WS** WL12/D with WS 011-1 sensor, long SMA antenna
- 4 **WL12/WSD** WL12/D with WSD 010-1 sensor, short SMA antenna
- 5 **WL12X/WSD** WL12/D with WSD 011-1 sensor, long SMA antenna



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OPTIONS

Wind tunnel certificated version available

OPTIONAL ACCESSORIES

- 1 Long SMA antenna
- 2 Antenna with 3 m cable, magnetic mounting
- 3 YAGI antenna
- 4 Spare micro SD card
- 5 USB / micro SD adapter
- 6 USB C power adapter

MOUNTING ACCESSORIES

- 7 MDMA Magnetic display mounting assembly



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TECHNICAL DATA

Logging:	average and maximum wind speed, wind direction, temperature, RSSI
Logging interval:	selectable: 10 s, 1 min, 10 min, 60 min
Data recording:	minimum 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°, adjustable offset +/- 180°
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°
Temperature accuracy:	+/- 1°C
Communication frequency :	868 MHZ 915 MHz (FCC models)
Data transmitting:	every 2 seconds
Antenna input:	50 Ohm, SMA connector
Range:	
- sets WL12/WS, WL12/WSD	up to 300 m visible distance
- sets WL12X/WS, WL12X/WSD	up to 1000 m visible distance
- with Yagi antenna	up to 3 x nominal range
Battery:	4 x 1,5 V AA battery (not enclosed)
Battery life:	up to 12 months (without display illumination)
Externall power supply:	5 V DC
Externall power connector:	USB C (adapter is not enclosed)
Wind speed alarm:	adjustable max. alarm (red light + sound signal, 83dB/10cm)
Casing:	ABS, 115 x 83 x 32 mm
Weight:	150 g