

LONG RANGE WIRELESS WIND LOGGER

JWS-L401 , JWS-L401X
JWSD-L401N , JWSD-L401XN

FEATURES

- easy-to-use solution for wind site evaluation - shows and store all vital wind data
- range up to 250 m (1200 m at JWS-L401X model)
- easy installation without running cables
- replaceable anemometer cups
- up to 4 years sensor battery life

FUNCTIONS

show on LCD

- current wind speed
- temperature
- wind direction (option)
- 24h wind speed and temperature history graphs
- 7 days history of instant and average wind speed
- date and time

store to SD card

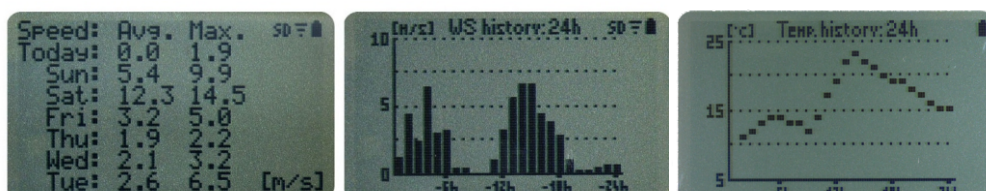
- average and maximum wind speed in selected interval
- temperature
- average wind direction (option)
- each data has date and time stamp



range up to
250 (1200) m



SHOW HISTORY



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 (4Gb enclosed) |
| Wind speed measurement range: | 0,6...50 m/s |
| Wind direction measurement range: | 0°– 359°, no blank sector |
| Temperature measurement range: | -40....+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: | +/- 3%, 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, optionally 908 Mhz |
| Data transmitting: | every 2 seconds |
| Range: | type JWS-L401,JWS-L401N up to 250 m visible distance type JWS-L401X,JWS-L401XN up to 1200 m visible distance (3-5km with Yagi antennna) |
| Battery, sensor: | 1 x 3,6 V AA Lithium battery (included), replaceable |
| Battery, receiver: | 2 x 1,5 V AA battery (not included) |
| Battery life, sensor: | up to 4 years (up to 3 years at JWS-L401X model) |
| Battery life, receiver: | up to 12 months |
| Sensor bearings: | 2 x precision stainless steel Ball bearing |
| Casing receiver: | ABS, 94 x 63 x 28 mm |
| Material - sensor housing: | Anodized Aluminium, PVC |
| - cups (replaceable): | PA (Polyamide) |
| - vane (replaceable): | Carbon |
| Dimensions - JWS sensor: | Height 210 mm, overall diameter cup to cup 120 mm |
| Dimensions - JWSD sensor: | Height 290 mm, overall vane diameter 220 mm |
| Mounting JWS sensor: | the sensor mounts on Ø 20 mm pipe |
| Antenna input, receiver: | 50 Ohm, SMA connector |

Models, standard range:



JWS-L401



JWSD-L401N

Models, extended range:



JWS-L401X



JWSD-L401XN

OPTIONS

Wind tunnel certificated version available

Sensor with 50 Ohm output for connecting the external antenna (SMA connector)

SENSOR MOUNTING ACCESSORIES

Self levelling mounting assembly

1

Magnetic mounting assembly

Magnetic self levelling mounting assembly

RECEIVER ACCESSORIES

External antenna with 4 m cable, magnetic mounting

2

YAGI antenna

3

SPARE PARTS

Spare anemometer cups

4

Spare wind vane

5

Spare sensors

6



1



2



3



4



5



6

