

# Pilotsonde

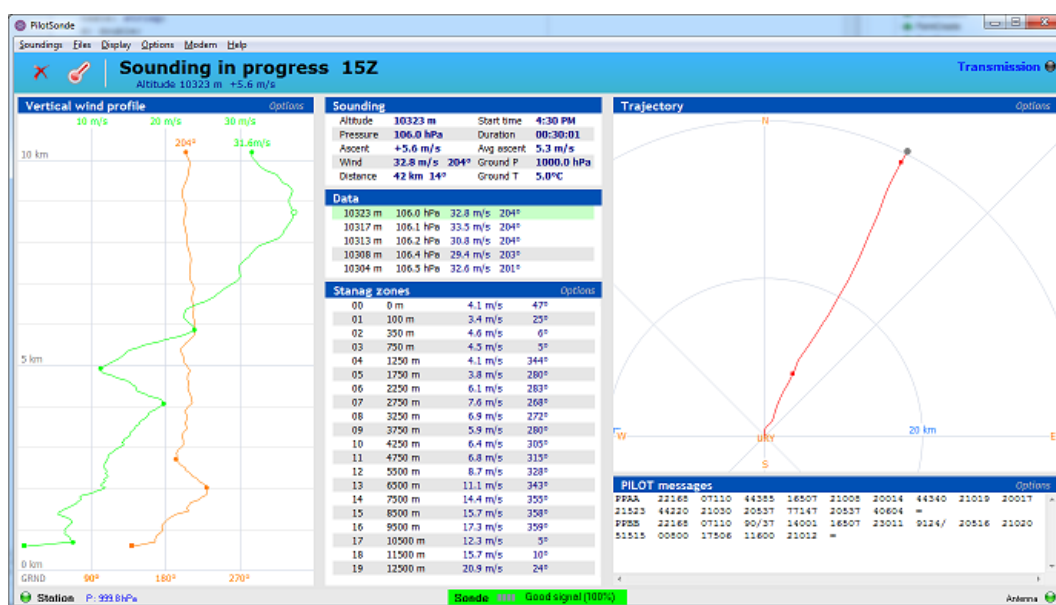


The *Pilotsonde* is a GPS sonde dedicated in Wind measurement only, created in 2013. It is the most affordable solution for high quality and profil measurement.

- Automatic accurate measurement of Wind direction, Wind speed, Pressure and Altitude
- ON/OFF power switch and authorization to release directly indicated on the Pilotsonde (led)
- Reliable operation up to 20 km altitude, no interruption in clouds and / or sun glare
- Ground receiver self-powered by USB port of the PC
- Real time display
- High Definition resolution
- Automatic data recording and storage of raw data
- Edition of PILOT, STANAG, Aerological report, daily report
- Automatic sending of message by email, FTP, RS232, Socket, SMS



## Pilotsonde software :



# Pilotsonde

## Technical specifications

### GENERAL

Dimensions : H : 120 mm  $\varnothing$  : 30 mm  
 Weight : 47 g (including batteries)

### TRANSMITTER

Freq. range : 401.5 MHz (blue) or  
 : 402.5 MHz (green)  
 Output Power : 20 mW  
 Modulation : FSK

### ALTITUDE

Altitude range : Up to 20 km  
 Altitude accuracy : 10 m  
 Altitude resolution : 0.1 m

### BATTERIES

Technology : 1.5 V alkaline  
 Package : 2 batteries  
 Power On : ON/OFF button

### WIND MEASUREMENT

Method : 3D GPS  
 Position accuracy : 10 m  
 Wind speed accuracy : 0.1 m/s  
 Wind direction accuracy : 1°  
 Position resolution : 1 m  
 Wind speed resolution : 0.1 m/s  
 Wind direction resolution : 1°

## *Pilot* Ground Station



**Pilotsonde Software**



**Pilot Ground Receiver**



**Omnidirectional Antenna**  
400 MHz



**Pilot sounding system**  
Desktop



**Pilot sounding system**  
Laptop



**User's manual**  
Installation & maintenance manual

### GENERAL

Dimensions : Width: 106 mm – Depth: 160 mm – Height: 49 mm  
 Weight : 0.6 kg  
 Power : USB Bus powered  
 Links : USB to PC  
 Workstation : Desktop or Laptop PC

### TELEMETRY

Receiver : Digital synthesizer  
 Freq. range : 400—406 MHz  
 Tracking range : 150 km  
 Modulation : FSK

