

HDD LOCATING SYSTEMS
Sense
IT MAKES SENSE

Locating system

SNS 1t NV

NewVision


Quick manual

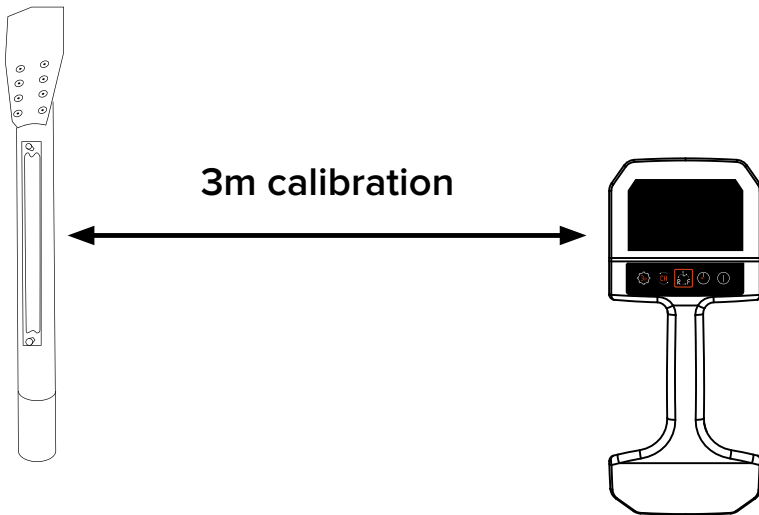
Equipment:




- transmitter SNS MSt2;
- adapter for transmitter;
 - receiver SNS 1t;
 - manual;
- WiFi R-Box;
- SNS 1t bag;
- receiver Li-Ion battery with power cable.





Preparations

1. Turn ON Receiver by pushing and holding Power button  until sound signal and turning ON the screen.
2. Put AA battery into transmitter, close the cap and wait for appearing data on the screen.
3. Put the transmitter into the drill head (use adapter if needed) with orienting on “12 o`clock” position. Put drill head in 3 meters from left (right) side of the Receiver like on the picture below.



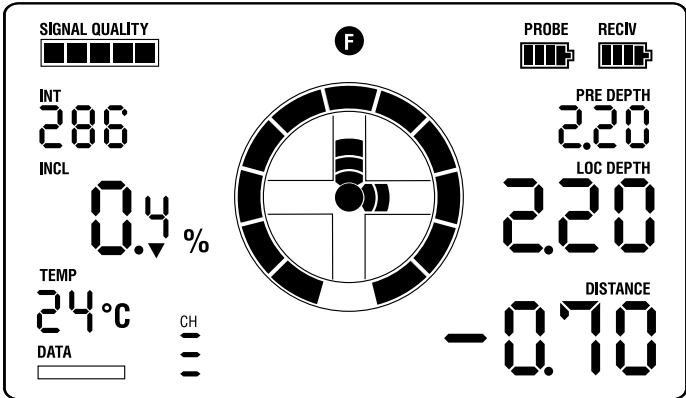
4. Press and hold  button to start calibration process. Keep holding  button press  button until 3.00 m numbers will appear. Unleash both buttons.

5. CALIBRATION IS DONE

6. Clock position correction – correction clock face position of the drill head on the screen. To make it – turn ON Receiver and transmitter, put drill head with the transmitter in needed clock position, press and hold  button and then press  button to confirm. New correction can be done after canceling previous one. To cancel correction – turn OFF the transmitter and make correction again. Position will back to 12 o'clock.

Location screen

Around FRONT locating point

<p>Quality of transmitter signal</p> <p>Power of transmitter signal</p> <p>Transmitter angle</p> <p>Transmitter temperature</p>		<p>Transmitter battery level</p> <p>Receiver battery level</p> <p>Predicted depth in front (F) point</p> <p>Depth</p> <p>Horizontal distance to the probe</p>
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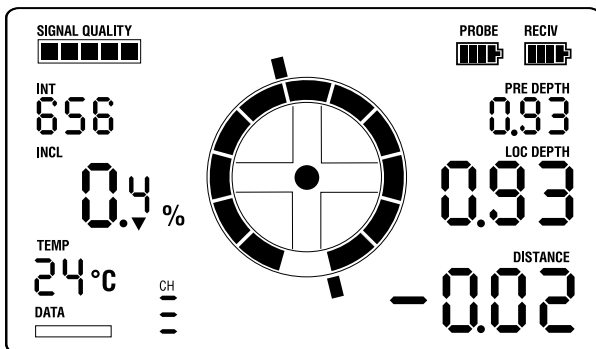
Navigation buttons



- 1
2
3
4
5

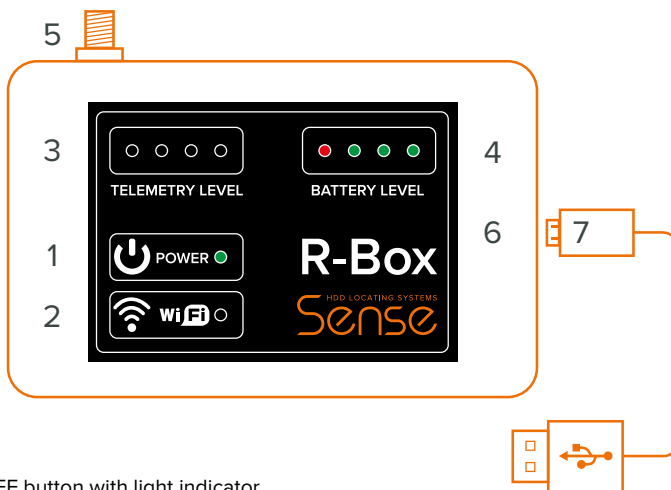
Around Locating Line

1. 3m calibration
2. Switching telemetry channel
3. Switching locating points
4. Clock correction
5. Power ON/OFF and lighting



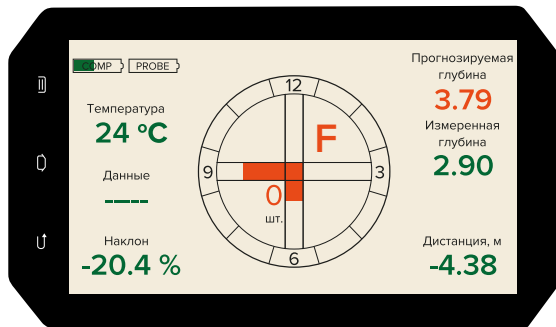
WIFI R-Box

Hardware and software complex Wi-Fi R-Box is designed for duplication information from the Receiver to control device with OS Android version 4.4 and higher.



1. Device ON/OFF button with light indicator
2. WiFi module ON/OFF button with light indicator
3. Telemetry level scale
4. Device battery scale
5. Plug for the antenna
6. MicroUSB plug for direct connection to Android device and for power charging.
7. USB – MicroUSB cable

Displaying information on the screen of the Android device using WiFi R-Box



Wi-Fi R-Box connection

Install the application **SnsVision**© from GooglePlay to an Android device if it is not installed.

Wired connection:

- a. Connect Wi-Fi R-Box via USB-OTG cable, turn On Wi-Fi R-Box (switch-on indicator should be lit);
- b. Launch snsvision© App **SnsVision**©.

IMPORTANT: In the case of a wired connection, the Android control device must support USB-OTG or USB-Host function.

Wireless connection:

- a. Turn On Wi-Fi module on Android control device;
- b. Connect the Android control device to Wi-Fi network R-Box;
- c. Make sure you have the required permissions are allowed. To do this, go to the section «Apps» in device settings → find and select an application snsvision© → in the «Permissions» subsection, enable all required permissions;
- d. Launch the **SnsVision**© App.

IMPORTANT: Starting with Android version 9 and higher, to work snsvision© App with the device via Wi-Fi, it is necessary enable «Geolocation»; Starting with Android version 6, permissions are needed to be set each time, when snsvision installing or App update.