

HDD LOCATING SYSTEMS  
**Sense**  
IT MAKES SENSE

Locating system

# SNS 1t NV

NewVision


Quick manual

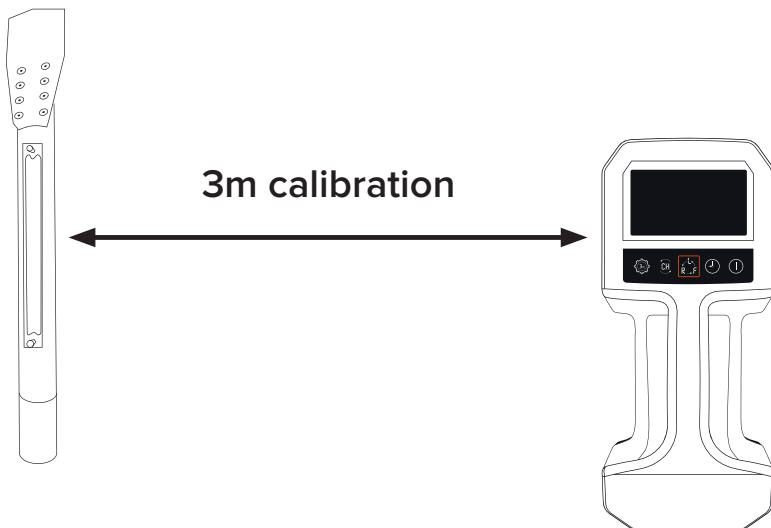
**Equipment:**




- sonde SNS MSt2;
- adapter for sonde;
- receiver SNS 1t;
- telemetry station;
- SNS 1t bag;
- power cables.



## Preparations

1. Turn ON Receiver by pushing and holding Power button  until sound signal and turning ON the screen.
2. Put AA battery into sonde, close the cap and wait for appearing data on the screen.
3. Put the sonde 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 sonde, put drill head with the sonde in needed clock position, press and hold **I** button and then press **🕒** button to confirm. New correction can be done after canceling previous one. To cancel correction – turn OFF the sonde and make correction again. Position will back to 12 o'clock.

### Location screen

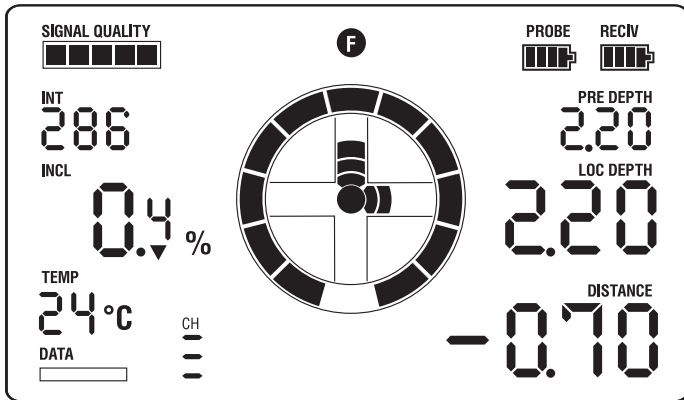
Around FRONT locating point

Quality of sonde signal

Power of sonde signal

Sonde angle

Sonde temperature



Sonde battery level

Receiver battery level

Predicted depth in front (F) point

Depth

Horizontal distance to the probe

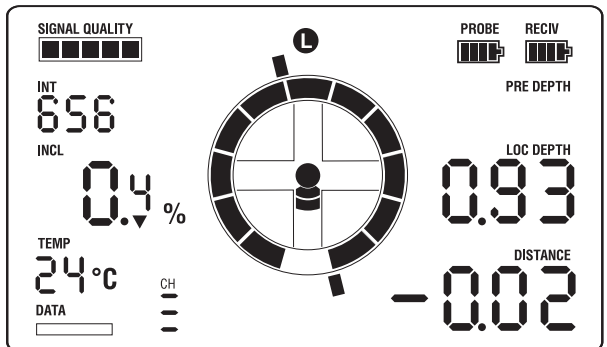
### Navigation buttons



- ①
- ②
- ③
- ④
- ⑤

Around Locating Line

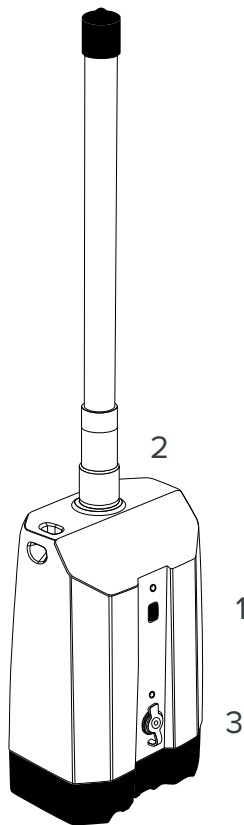
1. 3m calibration
2. Switching telemetry channel
3. Switching locating points
4. Clock correction
5. Power ON/OFF and lighting



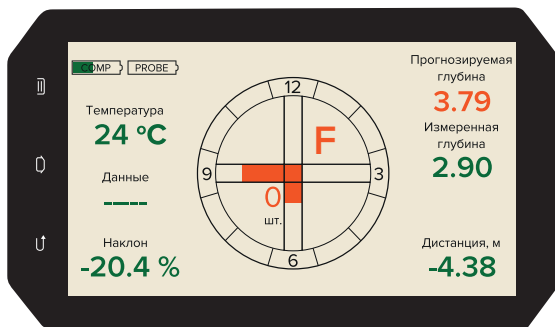
## Telemetry Station (TS)

Hardware and software complex is intended for duplicating information from receiver to displays devices under control Android operating system version 4.4 and higher.

1. ON/OFF button with light indicator
2. Antenna
3. Power supply plug.



## Displaying information on the screen of the Android device using TS



## TS connection

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

**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 TS on Android control device;
- b. Connect the Android control device to Wi-Fi network of TS;
- 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.

## Wrist repeater (option)

When laying communications using a trenchless method, a puncture rig can work from a well or narrow pit, where there is no possibility to place a full-fledged repeater of the locating system. This compact device intended for acceptance by the Installation Operator telemetry when it is in cramped conditions.

