

CE DECLARATION OF CONFORMITY

This declaration/certificate of conformity is issued under the sole responsibility of the manufacturer as listed.

Certificate Holder: **SENSE HDD LLC**
22/14 Okatyabr'skaya, Ulyanovsk, 4320028, Russia

Manufacturer: **SENSE HDD LLC**
22/14 Okatyabr'skaya, Ulyanovsk, 4320028, Russia

Product designation: **SNS 100 and SNS 200 PROn**

Type: **Locating System SNS 200 PROn, by SENSE HDD LLC**

1 frequency system – 12 kHz, - frequency for sending data from Transmitter to Receiver.

433 or 915 (for USA) kHz modem frequency for telemetry – frequency for sending (duplicate) data from Receiver to Repeater.

Complex: Receiver SNS 200 PROn, Repeater SNS, Transmitter pro, carrying case

Depth – 20 meters. Power of Receiver – 9V. Power of Repeater – 9V. Power of Transmitter – up to 8V.

SNS 100: Azimuth cable locating system. No frequencies. System defines Transmitter position according Earth magnet field and current frame. Complex: Drilling Console, Interface Module, Transmitter SNS 100, Front centralizes, back centralizer, Connecting cables, 2 carrying cases.

Declaration/Certificate based on: Laboratory Tests and:

BS EN IEC 61000-6-1:2019 - Electromagnetic compatibility (EMC). Generic Standards. Immunity for residential, commercial and light-industrial environments

EVS-EN 61000-6-3:2007 and A1:2001 and AC: 2012 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environment, (EMC) Directive (2014/30/EU)

ETSI EN 300 328 V2.1.1 (2016-11)- Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

ETSI EN 301 489-1 V2.2.0 (2017-03) – Electro Magnetic Compatibility (EMC)

Standard for radio equipment and services; Part 1: Common technical requirements; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential Requirements of article 6 of Directive 2014/30/EU

ETSI EN 301 489-17 V3.2.0 (2017-03)- Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.

IEC 61010-1, Edition 2 and 3 and IEC 61010-1:2010/A1:2016 - Specifies safety requirements for a variety of electrical systems, including test and measurement, industrial process control, and laboratory equipment.

EU Directive 2011/65/EU - Restriction of the Use of Certain Hazardous Substances in Electronic and Electrical Equipment.

EU Directive 2012/19/EU of 4.06.2012 – of the European Parliament and of the council - on waste electrical and electronic equipment (WEEE)

Directive 2004/108/EC of 8.02. 2010 - The Electromagnetic Compatibility (EMC), maintains the same objectives - to guarantee the free movement of apparatus and to create an acceptable electromagnetic environment in the Community territory (EU).

Directive 2014/35/EU of 26.02 2014- Harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.

Remarks:

- Products listed above meets the requirements of the above mentioned regulations.

The Present Declaration includes the right to affix the CE mark by SENSE HDD LLC and is valid: from 02.05.2019 to 02.05.2029. Changes to equipment without notification & re-authorization to the Independent Reviewer voids this declaration automatically.

- Future provisions concerning the validity, the extension of the validity and other consideration are upon: condition of the equipment, inspected by the manufacturer or his authorized representative.

