

INCLIS-30 DEVIATION PROBE

Deviation probe INCLIS-30 for geophysical investigations with this instrument it is possible to make an accurate 3D survey of the borehole deviation.

The new probe Inclis DH-30, designed and manufactured by Solgeo, allows to realize a 3D inclinometric survey of holes (e.g. perforations) having any direction and inclination in space. The probe contains a magnetometric triad and an accelerometric triad; in situations where the metallic coatings of the perforation can disturb the magnetometric sensors, the probe is equipped with a support and pointing system by means of guide rods.

INCLIS-DH could be provided with a battery powered wifi connected cable drum and an 8" tablet with dedicated Solclino app allows an immediate return of the results and graphs with the planoaltimetric trends of the hole.

INCLIS-DH can also be provided with a standard cable drum and USB connection box that provides both power and real-time data transfer to a personal computer.

APPLICATIONS

- Seismic soil characterization
- Verification treatment jet-grouting
- Identification of cavities
- Calculation of elastic modules

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PROBE TECHNICAL CHARACTERISTICS

Dimensions	2000 mm length x 30 mm diameter
Weight	4,1Kg, 20 Kg (with suitcase)
Operating temperature range	-25/ +85° C
Connector	Souriau 200 bar IP69
Enclosure material	Stainless steel
Digital output	RS422 (usb adapter provided)
Orientation range	0±180° Inclination; 0°-360° azimuth
Accuracy	+/- 0,2° roll and inclinatio; +/- 0,5° Azimuth
Digital output rate/logging rate	Up to 5 Hz
Output models	Acceleration and magnetic field vectors; orientation angles; temperature
Non linearità	<0,1% (modello ±2g)

USB VERSION

Communication	Provided USB to RS422 adapter
Application software	Running on PC with Win10 OS

WIRELESS VERSION

Cable length	60 m (other length on request)
Operating temperature range	-20 / 60° C; 0 to 45°C during charge
Communication	Integrated WiFi hotspot
Led indicators	battery level, charge
Battery	3,7V Li-ion, 3600mAh
Autonomy	Up to 10 hours
Charging time	4 hours

TABLET CHARACTERISTICS

Display size	Android, 8" display size
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 SolGeo

Contact now your
dedicated consultant:

commerciale@solgeo.it
+39 035 4520075

