

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-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 triaxial magnetometer sensor and a triaxial accelerometer sensor; in situations where the metallic coatings of the perforation can disturb the magnetometric sensors, the survey is carried out with a support and pointing system made up of guide rods. INCLIS-30 Probe is supplied with a standard cable drum and USB connection interface which allows simple connection to a PC managing both the probe power supply and data communication. The results are displayed in real time directly on the screen via a dedicated App.

Alternatively, the INCLIS-30 probe can be supplied with a cable drum equipped with wifi data transmission directly to an 8" tablet with dedicated Solclino app. This App allows immediate visualization of the results in numerical and graphic form.

Adapters for 50mm diameter holes are supplied as standard, adapters for 50÷150 and 155÷500mm diameter holes are available on request.

APPLICATIONS

- Allows to perform a 3D borehole deviation survey
- 3 magnetometric and 3 accelerometric sensors
- 360° orientation range
- Measurement of the deviation of holes having any direction in space

INCLIS-30 DEVIATION PROBE

PROBE TECHNICAL CHARACTERISTICS

| | |
|-----------------------------|---|
| Dimensions | 2000 mm length x 30 mm diameter |
| Weigh | 4,1Kg, 20 Kg (with suitcase) |
| Operating temperature range | -25 / +85° C |
| Connector | Souriau 30 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 inclination; +/- 0,5° Azimuth |
| Output data rate | Up to 5 Hz |
| Collected data | Acceleration and magnetic field vectors; orientation angles; temperature |
| Depth capacity | Up to 300m - For greater depths contact Solgeo |
| Borehole size | Adapters for 50mm inner diameter supplied as standard <ul style="list-style-type: none"> • 50÷150mm adapters on request • 155÷500mm adapters on request |

USB VERSION

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|----------------------|--|
| Communication | Provided USB to RS422 adapter |
| Application software | Running on PC with Win10 OS |
| Cable length | 60m or 100m; other on request up to 300m |

WIRELESS VERSION *Wi-Fi cable drum*

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

TABLET CHARACTERISTICS

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|--------------|--------------------------|
| Display size | Android, 8" display size |
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