



TECHNICAL SHEET

TRAJECTOMETRY	GYRO NORTH SEEKING	GYRO
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Generalities

Principle
This system uses gyro compassing method to find direction. As it is a North Seeking Gyro, all measurements are in reference to geographic north. It provides directional data (azimuth and dip) at any interval from inside all types of drill rods. It can also be used in open hole applications providing azimuth data in magnetically disturbed zones.

Result
Trajectory of the borehole, calculation of the deviation and offset at any depth.

Interest
Accurate positioning of the borehole, compliance of the borehole to the drilling specifications.

Option
Wireline and memory mode option.

Constraints / borehole

filling up	: <input checked="" type="checkbox"/> water	: <input checked="" type="checkbox"/> mud	: <input checked="" type="checkbox"/> dry
casing	: <input checked="" type="checkbox"/> PVC	: <input checked="" type="checkbox"/> steel	: <input checked="" type="checkbox"/> open
borehole	: <input checked="" type="checkbox"/> cored	: <input checked="" type="checkbox"/> destructive	

max. depth	: 1200 m
effective diam.	: 50 mm – 300 mm
temperature	: -30°C to +85°C
max. pressure	: 103Mpa

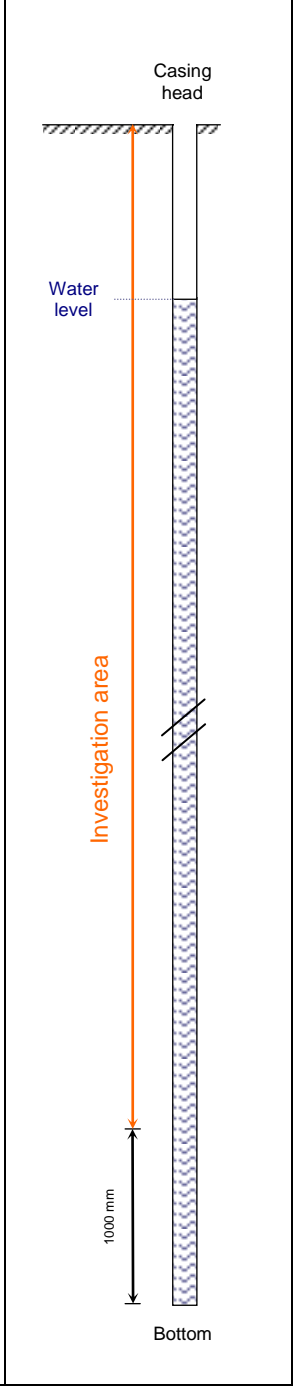
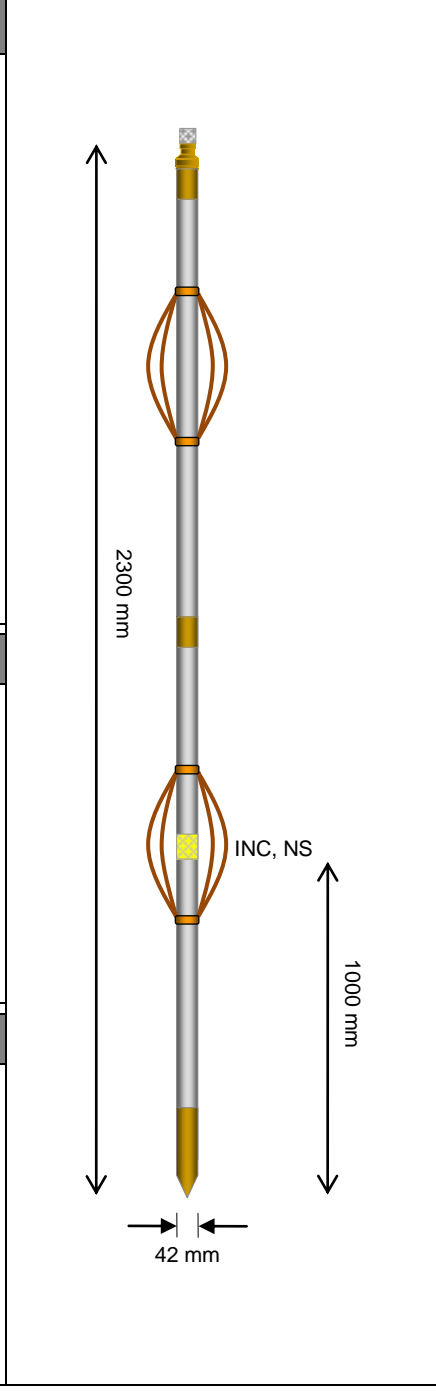
Technical specifications

Dimensions

- length : 2300 mm
- diameter : 42 mm
- weight : 15 kg

Elements

- 1 inclinometer 3 axis (x,y,z) : INC
- 1 NS Gyro : NS



Records/Measures

Records

- Tool : centered off-centered
- Measure : down up
- Rec. speed : 1 shot/10m
depends on the spatial sampling

Measures

- Azimuth accuracy : ± 1.0
- Tilt accuracy : ± 0.1°

Example

