

Core Retriever™



COMPLETE DOWNHOLE SURVEY
AND RETRIEVE THE CORE
SAMPLE AT THE SAME TIME



Automated software with
integrated QA/QC measures
for simple operation

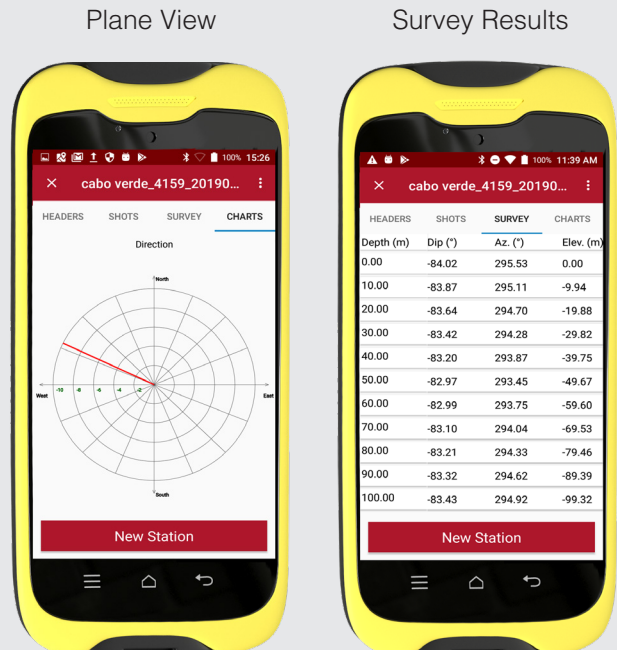
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Specifications

Performance	
Azimuth accuracy	± 0.5°
Inclination accuracy	± 0.05°
Pressure range	5000m (7111.47psi)
Temperature range	-40°C up to 60°C (-40°F up to 140°F)
Shock range	2000g Axial, ½ sine, 1ms

Equipment	
Diameter	50mm (1.97")
Weight	10 kg (22.04 lbs)
Driller deployable	Yes
Shock resistant	Yes
Length	2310mm (91")



Drastically improve operational efficiency

With our *Core Retriever™* overshot assembly you can pull cores and survey simultaneously. Increase drilling productivity and deliver great results combined with our north seeking *GyroMaster™* downhole survey tool.

Automation makes tool simple to use

Step by step guide throughout core retrieval operation. Receive an automatically generated pdf report detailing the survey results straight to your wireless handheld PDA device. Tamper-proof data ensures that you maintain the highest level of quality control in the field.



Save over 30 hours per 1000 meters

Combining two necessary procedures into one will save your project a considerable amount of money from avoided downtime. SPT equipment is driller deployable. Avoid costs of third party services, and improve your bottom line.

For more information

Contact us directly at sales@sptab.com or www.sptab.com

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GyroLogic™



**REFERENCE GYRO
DESIGNED FOR SHORT
HOLE APPLICATIONS**



**Operates in both
wireline and
memory mode**

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Specifications

Performance

Inclination accuracy	± 0.05°
Position accuracy	<1%* NS, EW and Alt
Gravity toolface accuracy	± 0.2°
Gyro toolface	± 0.5°
Inclination range	-85° a +85°

*Subject to borehole profile

Operation

Well profiles	Inclined and horizontal
Wireline mode	Applicable
Memory mode	Applicable
Working in magnetic field	Unaffected data

Equipment

Diameter	35mm (1.37")
Weight	8kg (17.6 lbs)
Length	1730mm (68.11")
Temperature rating	-10°C to 70°C 14°F to 158°F
Pressure rating	30MPa (4351psi)
Maximum Depth	600m

Software

Export format	PDF, Excel, CSV, LAS
Survey report	Generate at any interval
Tamper-proof	Yes
Graphic generation	2D, 3D



Versatile and built for heavy-duty use

Operates in both wireline and memory mode. Our engineers have developed an easy-to-use reference gyro system that specializes in short hole applications.

Survey in magnetically disturbed environments

The GyroLogic™ instrument is an accurate and reliable downhole reference gyro survey tool. Ability to work in continuous mode, this tool registers data points based on the initial starting values.

Automated smart software

Our reference gyro software ensures accuracy throughout the operation. Automatically generate detailed pdf reports and easily share amongst stakeholders. Our reports are tamper-proof to ensure the highest standard of quality control.

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GyroMaster™



NORTH SEEKING GYRO WITH
SOLID STATE SENSORS FOR
ALL DOWNHOLE APPLICATIONS



The only gyro in the mining industry
that is capable of continuous
surveying from True vertical and up

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Specifications

Accuracy

Inclination	± 0.05°
Azimuth accuracy	± 0.5° *
Positional accuracy	<0.1% (NS, EW, Alt) **

* Quoted at 3 sigma (99.7% assurance)

** Dependent on well profile

Performance

Survey speed	Up to 150 m/min (492 ft/min)
Average survey time for 1000m	15 minutes
Azimuth repeatability	± 0.5°
Gravity toolface accuracy	± 0.15°
Gyro toolface accuracy	± 0.5°
Bluetooth® connection	Long range

Methods

Survey mode	Continuous, multi-shot and single shot
Real-time mode	Telemetry
Memory mode	Battery

Operation

Operating range	Vertical, horizontal and inclined
Inclination range	-90° to +90°
Temperature range	-20°C up to 60°C (-4°F up to 140°F)
Pressure rating	50 MPa (7250 psi)
Collar azimuth required	No
Shock rating	2000g Axial ½ sine, 2ms

Software

Export	Bluetooth, WiFi, email, USB
Format	PDF, Excel, CSV, LAS, DXF
Survey report	Generate at any interval
Graphic generation	2D, 3D

Equipment

Diameter	42mm (1.65")
Weight	8 kg (17.6 lbs)
Length (with battery)	1844mm (72.6")
Length (with telemetry)	1463mm (57.6")
Battery life	20 hours (rechargeable)

Designed to be all in one solution

The *GyroMaster™* uses our proprietary *Navibore™* technology, which can register data points at every centimeter for industry leading accuracy. Capable of surveying in any application, customers can automatically create highly accurate independent surveys.

Highest standard of quality control - QC/QA

Our intuitive software ensures quality assurance throughout the operation. The *GyroMaster™* obtains data in real-time and automatically generates detailed pdf reports that verify collected data via separate independent surveys.

Pull core and complete survey at the same time

Improve your team's efficiency by doing two tasks at once. With our *Core Retriever™* overshot assembly you can pull cores and survey simultaneously. Increase drilling productivity and deliver great results.

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