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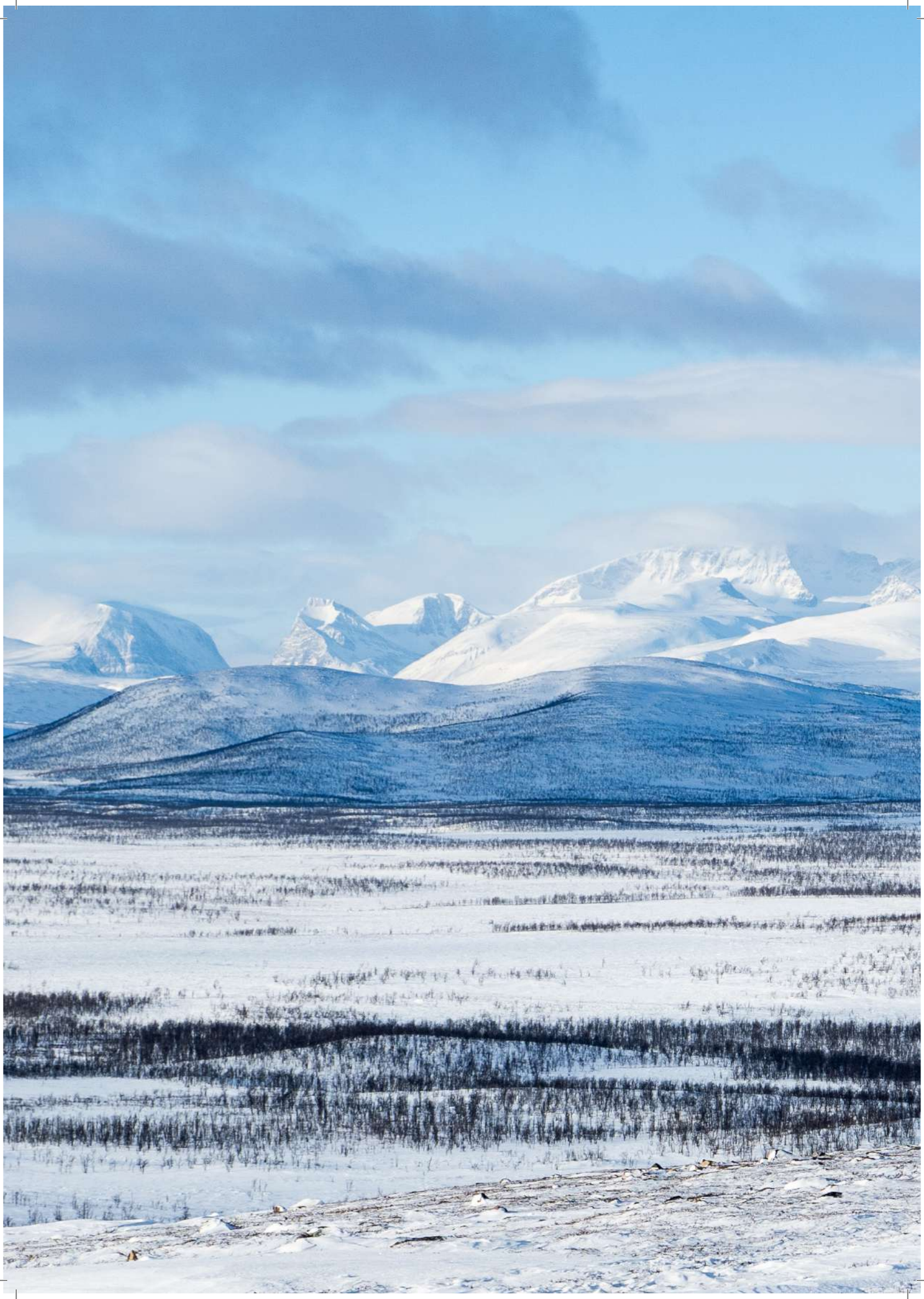
Stockholm Precision Tools

PRODUCT CATALOGUE



Stockholm Precision Tools

ABOUT

At the core of Europe, Stockholm Precision Tools (SPT) is a trailblazer in designing, manufacturing, and providing advanced gyroscopic technology for precise surveys in mining exploration and blasting operations.

With nearly three decades of innovation, we focus on the development of tools for directional and orientation surveying, geological core orientation and analysis, and precise rig alignment systems.

Demonstrating our commitment to excellence, we implement a meticulous quality control system that spans all production stages, from the precise calibration of our equipment to the comprehensive technical support and after-sales service we deliver. Headquartered in Málaga, Spain, and with a presence in 19 countries, we are industry leaders in technological advancement.

PT. Alternatif Teknologi Nusantara is the official distributor of Stockholm Precision Tools AB products, including sales, service and training in Indonesia.

INDEX

PT. Alternatif Teknologi Nusantara (Alternate)

Is an Indonesian company, established in 2020.

With the spirit of teamwork, our young team has decades of experience in the drilling industry.

We thrive to ensure the highest quality of service with assistance, support and problem-solving in Mining, Exploration, and related industry sectors.

Our new collaboration with Stockholm Precision Tools AB (SPT) marks a landmark achievement in advancing towards more efficient and sustainable mining practices.

24/7 Tech Support, Available Anytime, Anywhere

Our worldwide infrastructure enables us to provide uninterrupted technical support, accessible 24/7 and in a variety of languages.

support@sptab.com

SmartCloud™ redefines mining QA/QC data management by simplifying storage and organization of borehole surveys in the cloud, with lightning-fast processing speeds.

Its tamper-proof architecture guarantees an unbreakable chain of custody, safeguarding the integrity and trustworthiness of the data.

SmartCloud™

- Instantly store and organize data from multiple projects in the cloud.
- Maintain the integrity of data chain of custody.
- Tailor user roles and permissions to your specifications
- Simplify QA/QC reporting with one click
- Export comprehensive PDF reports and data in multiple formats such as XLS, CSV, PDF, LAS, and DXF.

QHSE

Our company operates under an integrated Quality, Health, Safety, and Environment (QHSE) management system that permeates every aspect of our operations and organizational structure. This system is meticulously designed to meet the highest international standards, as attested by our ISO 9001 and ISO 14001 certifications.

These certifications not only certify our dedication to excellence, safety, and environmental sustainability but also emphasize our ongoing dedication to fostering a safe, healthy work environment while ensuring the superior quality of our products and services.

ISO 14001

ISO 9001

NAVIBORE™ TECHNOLOGY

Navibore™ incorporates advanced algorithms and data processing techniques into SPT's gyro tools. It introduces an innovative error model that enables self-correction for drift. This exceptional feature sets our systems apart in the industry, guaranteeing unmatched accuracy in data delivery.

GyroMaster™

Solid-State North-Seeking Gyro

What's inside?

1 Open Jaw Spanner (s)
2 Top Swivel
3 Spearhead Point
4 Programming Connector
5 Handheld Device
6 Battery Module
7 Battery Charger
8 Sensor Module

CoreRetriever™ Add-on

Enables GyroMaster™ to Do Geological Core Collection and Survey at the Same Time

CoreRetriever™, a crucial supplement to GyroMaster™, allows for simultaneous survey during core retrieval, resulting in significant time savings in diamond drilling operations.

This improvement streamlines operations and enhances efficiency in the field, drastically reducing required man-hours.

Dimensions	
Length	2310 mm (91")
Outer Diameter	50 mm (1.97")
Weight	10 kg (22 lbs)

Operational Environment	
Depth Pressure	10000 psi
Operational Temperature	-30°C – +60°C (-22°F – +140°F)

Performance	
Azimuth Accuracy	0,25 ·sec(lat)°
Driller Deployable	Yes
Inclination Accuracy	0.03°

GyroGamma™ Add-on

Allows GyroMaster™ to Perform Directional Survey and Gamma Radiation Simultaneously

Integrating GyroMaster™'s precision with gamma spectrometry, GyroGamma™ offers a seamless radioactivity profile in boreholes.

This aids in accurate formation correlation and efficient identification of mineralized zones during geological surveys.

Dimensions	
Length (Stand Alone)	1597 mm (62,9")
Length (Tandem GM)	2437 mm (96")
Outer Diameter	42 mm (1,65")
Weight	9.2 kg (20,3 lbs)

Operational Environment	
Depth Pressure	7251 psi
Line Speed	Up – 15 m/m (59"/m)
Operational Temperature	-35°C - +70°C (-31°F - +158°F)

Performance	
Detector Type	CsI(Na)
GR Accuracy	7%
Sampling	1 hz
Update Rate	1 s

Technical Specifications

GyroMaster™, a state-of-the-art, solid-state north seeker that quickly aligns to the north and offers speed, durability, and simplicity.

Designed for continuous survey at all angles, including the vertical, it delivers unmatched accuracy and ensures superior performance in all conditions, making it reliable even at high latitudes.

Dimensions	
Length	1844 mm (72,6")
Outer Diameter	42 mm (1,65")
Weight	8 kg (17.64 lbs)

Operational Environment	
Depth Pressure	10000 psi
Operational Temperature	-35°C - +70°C (-31°F - +158°F)

Performance	
Azimuth Accuracy	0,16°
Typical Positional Accuracy	0,1%*
Inclination Accuracy	0,05°
Toolface Accuracy	0,15°
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°
Survey Mode	Multishot - Continuos mode All latitudes

* Well profile and centralization dependent.

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	15 hrs

Data	
Communications	Bluetooth®/Wireline
Export	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D
Survey Report	At any interval

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

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GyroScout™

Gyroscopic Reference Tool For Blast Hole Surveying

GyroScout™ is a key solution for quality control in blast hole operations, pivotal on block caving, sublevel caving and other methods.

Its versatility and capability to survey multiple blast holes in sequence greatly optimize blasting operations.

What's inside?

1. Documentation
2. Centralizers
3. Battery Charger
4. Handheld Device
5. Open Jaw Spanner (s)
6. Sensor Module

Technical Specifications

Dimensions	
Length	950 mm (37,4")
Outer Diameter	32 mm (1,25")
Weight	2,6 kg (5,73 lbs)

Operational Environment	
Depth Pressure	2900 psi
Operational Temperature	-10°C – +60°C (+14°F – +140°F)

Performance*	
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°
Azimuth Accuracy	0,16°
Inclination Accuracy	0,05°
Typical Positional Accuracy	0,3%**

* Accuracy quoted at 1σ
** Well profile dependent.

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	24 hrs

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D
Survey Report	At any interval

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

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Gyro PushRodder™ Add-on

Sync depth data while deploys GyroScout™

Gyro PushRodder™ complements GyroScout™, simplifying deployment in boreholes of any inclination and syncing depth data to the same handheld.

This seamless integration enhances operational efficiency and guarantees optimal precision, boosting field accuracy.

Technical Specifications

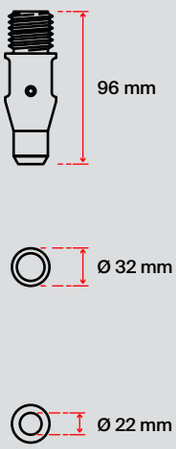
Dimensions	
Rod Diameter	Ø 11 mm (7/16")
Rod Length	100 m (330 ft)
Rod Material	Glass fiber / Polypropylene shell
Weight	39 kg (86 lbs)

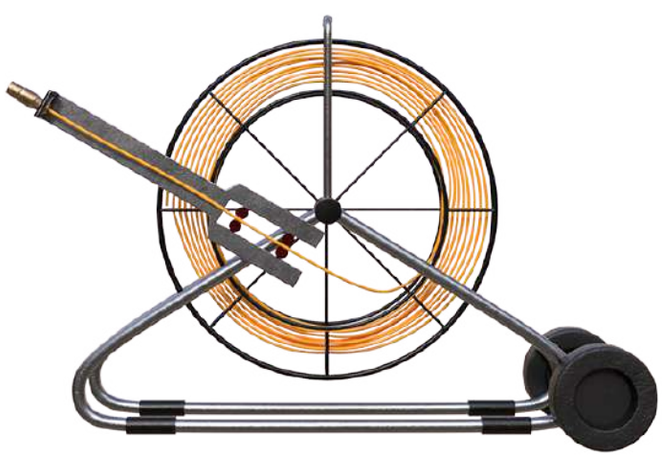
Operational Environment	
Bluetooth® Range	20 m (65 ft)
IP Rating	IP66
Depth Counting System	SPT DepthTracker
Max Working Load	580 kg (1278,6 lbs)
Operational Temperature	-20°C – +60°C (-4°F – +140°F)

Performance	
Accuracy	0.4% of measured depth
Inclination Range	0 – 360°

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE

Gyro PushRodder™ Connector





GyroLogic™ Evo

High-Tech Reference Gyro

GyroLogic™ Evo, a solid-state reference gyro, offers a budget-friendly option for projects with limited financial resources, needing rapid and precise surveying free from magnetic interference. It balances accuracy with affordability. Requires an initial azimuth for operation.

What's inside?

1	Sensor Module	5	Swivel
2	Centralizer Body	6	Open Jaw Spanner (s)
3	Battery Charger	7	Centralizers
4	Handheld Device	8	Spearhead

Technical Specifications

Dimensions	
Length	1010 mm (39,76")
Outer Diameter	35 mm (1,38")
Weight	4,5 kg (9,92 lbs)

Operational Environment	
Depth Pressure	4350 psi
Operational Temperature	-10°C – +60°C (+14°F – +140°F)

Performance*	
Azimuth Accuracy	0,16°
Gravity Toolface Accuracy	0,16°
Inclination Accuracy	0,05°
Typical Positional Accuracy	0,2%**
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°

* Accuracy quoted at 1σ
** Well profile dependent.

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	12 hrs

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D
Survey Report	At any interval

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

MagCruiser™

Highly Accurate Surveys In Non-Magnetic Environments

Built to withstand harsh conditions, it aligns with magnetic north, captures accurate data from any orientation, and automatically syncs to the cloud.

Its rugged design guarantees durability, while its intuitive interface makes operation easy.

What's inside?

1 Extension Bars
2 Battery Module
3 Sensor Module
4 Battery Charger
5 Handheld Device
6 Open Jaw Spanner (s)
7 Spearhead
8 Swivel
9 Shock Absorber
10 Bit Stopper
11 Centralizers

Technical Specifications

Dimensions	
Length	1190 mm (46,85")
Outer Diameter	35 mm (1,375")
Weight	5,6 kg (12,35 lbs)

Operational Environment	
Depth Pressure	4350 psi
Operational Temperature	-20°C – +85°C (-4°F - +185°F)

Performance*	
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°
Azimuth Accuracy	0,16°
Inclination Accuracy	0,05°
Magnetic Dip Accuracy	0,07°
Magnetic Field Range	-70000 nT – +70000 nT
Magnetic Field Accuracy	± 58 nT

* Accuracy quoted at 1σ

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	1 month of continuous work

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D
Survey Report	At any interval

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

Gyro RigAligner™

Precise Drilling Alignment Rigs Under 5 Minutes

Gyro RigAligner™ is a rig alignment system based on gyroscopic technology that finds true north and orients in less than 5 minutes.

With a lightweight and portable design this tool is versatile enough to guide drilling rigs in both surface and subsurface operations.

Technical Specifications

Dimensions	
Clamps Sizes	B-N, H-N, P 57 mm – 117 mm (2,24" – 4,6")
Length	242x162x82 mm (9,53x6,38x3,23")
Weight	5,3 kg (11,8 lbs)

Operational Environment	
Continuos Data Output	Applicable
Operational Temperature	-25°C – +60°C (-13°F – +140°F)
Setting Time	<5 m
Surface	Applicable
Underground	Applicable

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE

Performance*	
Azimuth Accuracy	0,4°
Inclination Accuracy	0.05°
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°

* Accuracy quoted at 1σ

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	10 hrs

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

What's inside?

1 Gyro RigAligner™
2 Clamps
3 Additional Clamps
4 Handheld Device
5 Battery Charger

Polestar Aligner™

All Purpose Drilling Rig Aligner

For precision at high latitudes and extreme conditions, Polestar Aligner™ delivers top-notch rig alignment through advanced inertial navigation, suitable for both surface and subsurface operations.

Technical Specifications

Dimensions	
Clamps Sizes	B-N, H-N, P 57 mm – 117 mm (2,24" – 4,6")
Length	275x172x175 mm (10,8x6,77x6,89")
Weight	8 kg (17,6 lbs)

Operational Environment	
Operational Temperature	-25°C – +60°C (-13°F – +140°F)
Setting Time	10 min

Performance*	
Azimuth Range	0° – 360°
Inclination Range	-90° – +90°
Azimuth Accuracy	0,16° ·sec(lat)°
Inclination Accuracy	0,03°

* Accuracy quoted at 1σ

Battery	
Battery Type	Lithium Ion Rechargeable
Operating Time	6 hrs

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

Visit Us

What's inside?

1 Polestar Aligner™
2 Handheld Device
3 Battery Charger
4 Clamps

CoreMaster™

Digital Multidiameter Core Orienter

With CoreMaster™, the orientation of cores across different drilling diameters is straightforward. Its Bluetooth® technology eliminates the need for disassembly, speeding up operations and facilitating the export of data or its direct synchronization with cloud services in no time.

Technical Specifications

Dimensions	
Core Sizes	N, N2 (NTK), N3, NTW, H, H3, HTW, P, P3
Length	259 mm (10.2")
Weight	2,4 kg (5,3 lbs)

Operational Environment	
Depth Pressure	5000 psi
Operational Temperature	-30°C – +75°C (-22°F – +167°F)

Performance*	
Inclination Range	-88° – +88°
Toolface Accuracy	0,6°
Toolface Range	0 – 360°

* Accuracy quoted at 1σ

Battery	
Battery Type	Non-rechargeable lithium battery pack
Field Chargeable	Replaceable
Operating Time	> 6 months

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

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What's inside?

1 CoreMaster™ Sensor
2 CoreMaster™ Sensor
3 Handheld Device
4 Level
5 Marker Pen
6 Li-Ion Battery

GyroCore™

Directional Survey Tool and Core Orientation

GyroCore™ is a state-of-the-art north-seeking gyro designed to streamline coring operations. It expertly facilitates core orientation and conducts directional surveys of the borehole seamlessly, without the need to pause core extraction.

This innovative approach not only maintains workflow efficiency but also significantly enhances the overall coring process.

Technical Specifications

Dimensions	
Diameter	N, N2, N3, H, H3, P
Length	990 mm (39")
Weight	11 kg (24.2 lbs)

Operational Environment	
Collar Azimuth Required	No
Operating Range	Vertical, Inclined
Operational Temperature	-30°C – +70°C (-22°F – +158°F)
Depth Pressure	7250 psi

Handheld Device	
Battery	20 hrs (8580 mAh)
IP Rating	IP68, IP69K

Performance*	
Azimuth Mode	True North Seeking
Azimuth Accuracy	0,16°
Azimuth Repeatability	0,16°
Gravity Toolface Accuracy	0.05°
Inclination Accuracy	0.05°
Toolface Accuracy	0,16°
Survey Mode	Multishot - Core Retrieval and Orientation

* Accuracy quoted at 1σ

Data	
Communications	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D
Survey Report	At any interval

What's inside?

1 Head Assembly
2 Gyro Package
3 Bottom Overshot

StructMaster™

Maximum traceability beyond the core shack

With StructMaster™, structural logs are now recalculable anytime.

StructMaster™ is the only portable solution that allows you to capture, verify, and recalculate alpha (α) and beta (β) angles in oriented diamond drill cores—beyond the core shack.

Powered by Android OS, StructMaster™ analyzes and processes images with artificial intelligence directly from the PDA, requiring no additional hardware. It enables real-time verification and visualization of structural data through stereonet charts.

With image capture for every structure, StructMaster™ redefines reliability in geological analysis and ensures accuracy in any environment.

Technical Specifications

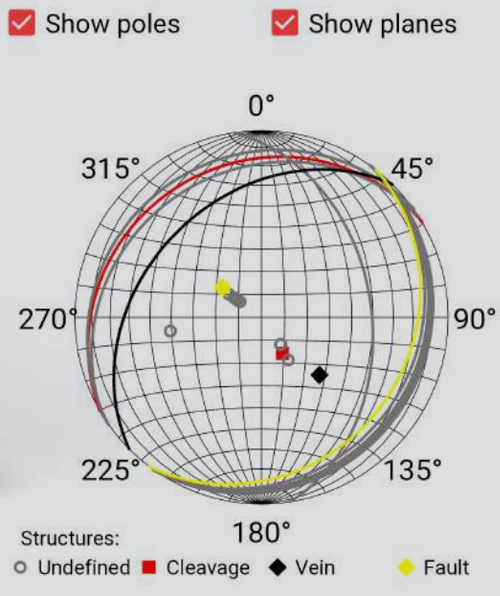
Performance	
Angular Accuracy	<4°

Dimensions	
Dimensions	81.2 mm x 175.8 mm x 18.1 mm
Processor	Helio G99 Octa-Core
RAM	8 GB
Storage (ROM)	256GB
Camera	50 Mpx
Operating System	Android 14
Battery	10600mA/h
IP Rating	IP68 / IP69K proof

MAIN BENEFITS

- **Automatic structure identification with AI** and stereonet verification directly on the device.
- **Recalculate angles anytime** as recorded structure images ensure logs are no longer irreversible.
- **Intuitive, easy-to-learn** interface that speeds up the process and improves quality control.
- **Detailed reports from the handheld device,** including stereonet charts, structure images, and labeled data.
- **Instant results,** no manual processing or additional hardware required

Stereonet charts



DepthMaster™

Precise depth measurement for downhole navigation

DepthMaster™ is a digital depth tracking system engineered to seamlessly integrate with SPT directional survey tools, synchronizing depth with inclination and azimuth data.

Precision depth control is essential for accurate surveying. DepthMaster™ supports high-speed operations without compromising accuracy. Its remote functionality enhances safety by allowing operators to work from a secure distance, reducing risk.

Compact and user-friendly, DepthMaster™ is lightweight, quick to assemble, and easy to install. It is the ideal companion for wireline-deployed high-precision tools such as GyroMaster™ and GyroLogic™.

Technical Specifications

Dimensions	
Dimensions	505x330x115 mm (19,9x13x4,5")
Weight	7,3 kg (16.1 lbs)

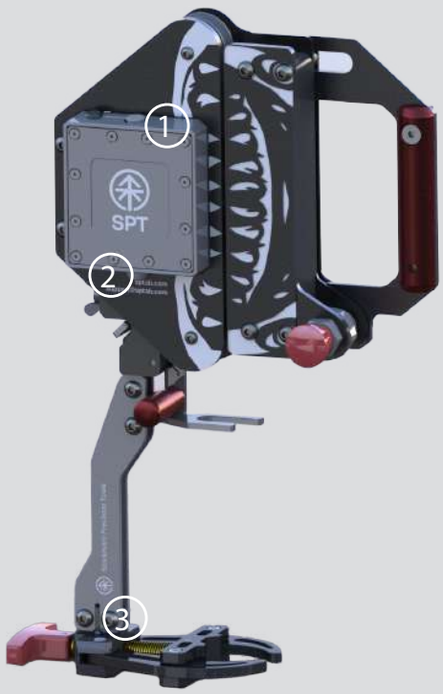
Operational Environment	
Capable drill pipes	B, N, H, P
Driller Deployable	Yes
Power	Rechargeable li-thium-Ion battery
Operational Temperature	-20°C – +60°C (-4°F – +140°F)

Performance	
Accuracy	0.1% of measured depth

Data	
Communications	Bluetooth® 5.1 LE (Low Energy)
Export	SPT SmartCloud via WIFI or 4G LTE

Handheld Device	
Battery	20h (8580mAh)
IP Rating	IP66

What's inside?



1 SPT DepthMaster
2 Depth Sensor
3 Clamps

Downhole Navigation Tools

DIMENSIONS	GyroMaster™	GyroScout™	GyroLogic™ Evo	MagCruiser™
Length	1844 mm (72,6")	950 mm (37,4")	1010 mm (39,76")	1190 mm (46,85")
Outer Diameter	42 mm (1,65")	32 mm (1,25")	35 mm (1,38")	35 mm (1,375")
Weight	8 kg (17.64 lbs)	2,6 kg (5,73 lbs)	4,5 kg (9,92 lbs)	5,6 kg (12,35 lbs)
OPERATIONAL ENVIRONMENT				
Depth Pressure	10153psi	2900 psi	4350 psi	4350 psi
Operational Temperature	-30°C – +60°C (-22°F – +140°F)	-10°C – +60°C (+14°F – +140°F)	-10°C – +60°C (+14°F – +140°F)	-20°C – +60°C (-4°F – +140°F)
PERFORMANCE*				
Azimuth Accuracy	0,25 ·sec(lat)°	0,16°	0,16°	0,16°
Typical Positional Accuracy	0,1%**	0,3%**	0,2%**	
Inclination Accuracy	0,03°	0,05°	0,05°	0,05°
Toolface Accuracy	0,05°		0,16°	
Azimuth Range	0° – 360°	0° – 360°	0° – 360°	0° – 360°
Inclination Range	-90° – +90°	-90° – +90°	-90° – +90°	-90° – +90°
Survey Mode	Multishot Continuos mode All latitudes			
Magnetic	Unnafected	Unnafected	Unnafected	Dip Acc (deg) 0.07°
BATTERY				
Battery Type	Lithium Ion Rechargeable	Lithium Ion Rechargeable	Lithium Ion Rechargeable	Lithium Ion Rechargeable
Field Chargeable	Yes	Yes	Yes	Yes
Operating Time	15 hrs	24 hrs	12 hrs	1 month continuous
DATA				
Communications	Bluetooth®/Wireline	Bluetooth®	Bluetooth®	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE	SPT SmartCloud via WIFI or 4G LTE	SPT SmartCloud via WIFI or 4G LTE	SPT SmartCloud via WIFI or 4G LTE
Export Format	PDF, Excel, CSV, LAS, DXF	PDF, Excel, CSV, LAS, DXF	PDF, Excel, CSV, LAS, DXF	PDF, Excel, CSV, LAS, DXF
Graphic Generation	2D, 3D	2D, 3D	2D, 3D	2D, 3D
Survey Report	At any interval	At any interval	At any interval	At any interval

* Accuracy quoted at 1σ
** Well profile dependent.




Rig Alignment Tools

DIMENSIONS	Gyro RigAligner™	Polestar Aligner™
Clamps Sizes	B-N, H-N, P 57 mm – 117 mm (2,24" – 4,6")	B-N, H-N, P 57 mm – 117 mm (2,24" – 4,6")
Length	242x162x82 mm (9,53x6,38x3,23")	275x172x175 mm (10,8x6,77x6,89")
Weight	5,3 kg (11,8 lbs)	8 kg (17,6 lbs)
OPERATIONAL ENVIRONMENT		
Continuos Data Output	Applicable	Applicable
Operational Temperature	-25°C – +60°C (-13°F – +140°F)	-25°C – +60°C (-13°F – +140°F)
Setting Time	<5 m	10 min
Surface	Applicable	Applicable
Underground	Applicable	Applicable
PERFORMANCE*		
Azimuth Accuracy	0,4°	0,16° ·sec(lat)°
Inclination Accuracy	0.05°	0,03°
Azimuth Range	0° – 360°	0° – 360°
Inclination Range	-90° – +90°	-90° – +90°
BATTERY		
Battery Type	Lithium Ion Rechargeable	Lithium Ion Rechargeable
Field Chargeable	Yes	Yes
Operating Time	10 hrs	15 hrs
DATA		
Communications	Bluetooth®	Bluetooth®
Export	SPT SmartCloud via WIFI or 4G LTE	SPT SmartCloud via WIFI or 4G LTE

* Accuracy quoted at 1σ
** Well profile dependent.

Notes

PRODUCT

CATALOGUE

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ALTERNATE
ROCK SOLID, RELIABLE

Stockholm Precision Tools