



TruShot™

Digital Survey Tool



 **VERACIO™**



TruShot™

TruShot™ is an accurate magnetic survey tool optimized for driller deployment. Made for durability, precision and simplicity, drillers can capture high-quality 3D hole path data with confidence.

The TruShot Advantage

Survey is easier with TruShot

Assemble the TruShot tool with Boart Longyear's high quality running gear and deploy down the hole for accurate azimuth and dip measurement. TruShot provides the ability to complete single-shot, multi-shot and orientation surveys at all angles up to a 4000-meter depth. Captured data is communicated wirelessly from the tool to the easy-to-read, handheld device.

Accurate and Immediate

Produce accurate surveys with user-adjustable magnetic anomaly detection to flag and filter erroneous data points. Because data is provided in open format, it is immediately accessible and ready to export directly from the survey tool and handheld to USB.



Features

Wireless Communication

Tool and handheld reliably communicate within seconds, eliminating the need for disassembly to start or end a survey.

Chargeable, Easy-to-read Handheld

Conveniently charge the handheld through USB. Back-lit screen is easy to read with step-by-step instructions and intuitive workflows to minimize operational errors. Large, glove-friendly buttons and vibration feedback make it easy to operate.



USB Export Direct From Handheld

Export raw data directly to USB in generic .csv or .dif formats.

TruShot View Software

Included software allows for quick viewing and assessment of each survey shot. Captured downhole data is easily exported to all industry-standard formats.

Robust And Durable

Tool remains calibrated and functional even after prolonged field use. TruShot is fully sealed and waterproof.

Multi-functional

TruShot has single-shot, multi-shot and orientation survey functionality.

Field Replaceable Battery

Tool battery life is long-lasting and can be easily serviced in the field.



Specifications

Dimensions		
Kit		
Length x width x height	112.7 x 40.6 x 15.5 cm	
Total weight	Tool and Accessory Kit: 24 kg (max)	Extension Rod Kit: 14 kg
Downhole Instrument		
Outside diameter	35 mm	
Length	1000 mm	
Weight	4 kg	
Handheld		
Length x width x height	240 x 115 x 38 mm	
Weight	0.4 kg	
Accuracy		
Azimuth	Range: 0° to 360°	Accuracy: 0.3°
Dip	Range from horizontal: ±90°	Accuracy: 0.2°
Magnetic Dip	Range from horizontal: ±90°	Accuracy: 0.3°
Gravity Roll (rotation/toolface)	Range: 0° to 360°	Accuracy: 0.3°
Magnetic Roll (rotation/toolface)	Range: 0° to 360°	Accuracy: 0.3°
Tool Magnetic Field	Range: 0 to 100,000nT	Accuracy: ±200nT
Temperature Rating		
Downhole Instrument	Full Accuracy: 0 - 60°C, Operating: -30 - 75°C, Storage: -45° - 85°C	
Handheld	Operating -10°C to 50°C, Charging: 0° - 40°C, Storage: 0° - 30°C	
Depth Rating		
Maximum depth	4000 m vertical in fresh water, IP68	
Battery		
Downhole Instrument	User replaceable, non-rechargeable lithium	
Storage	Up to 10 years	
Normal use	Up to 3 months	
Handheld	USB rechargeable lithium ion	
Normal use	1 week per full charge	
Data		
Tool to Handheld Communication	Wireless IR communication, no tool disassembly required	
File Types	Handheld to USB drive: .csv or .dif Desktop export: .xlsx, .csv, .dsv, .tsv	
View and Export	TruShot View software included with every tool	
Language Options		
English, French, Spanish		
Appilcable Certifications		
ASTM D4169, MIL-STD 810G, IEC60068, ASTM B117, AS60529, CE		

Technical specifications are subject to change without notification

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