TRUSHOT™ DIGITAL SURVEY TOOL

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. 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 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. Fully sealed and waterproof.

MULTI-FUNCTIONAL
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.

To learn more about TruShot, visit **www.boartlongyear.com/trushot**

BOART LONGYEAR™

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TECHNICAL 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°C to 60°C	Operating: -30°C to 75°C	Storage: -45°C to 85°C
Handheld	Operating -10°C to 50°C	Charging: 0°C to 40°C	Storage: 0° to 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			
APPLICABLE CERTIFICATIONS			
ASTM D4169, MIL-STD 810G, IEC60068, ASTM B117, AS60529, CE			

Technical specifications are subject to change without notification

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