

# REFLEX ACT-IQ™

POWERED BY **IMDEX HUB-IQ™**

Confident decisions based on reliable orientation data.  
**Now in real-time.**



REFLEX ACT-IQ™ is a digital core orientation system that records the orientation of the core sample and other key data in core drilling operations. It has a patented rapid descent system that reduces time to complete core recovery. It delivers exceptional accuracy, while being easy to use and reliable in harsh field conditions and is the preferred core orientation system for drillers and geologists worldwide. Its high level of data accuracy leads to better understanding of the geological structure, ultimately resulting in enhanced drill program management and geotechnical planning.



## Rugged and Reliable

The REFLEX ACT-IQ™ is designed to withstand the harshest conditions and treatment in the bottom-of-hole environment.

It has a hardened steel outer casing and heat treated threads. Components are shock tolerant and able to withstand the high level of forces achieved during the drilling cycle. The unit can operate in temperatures of up to 80°C. It has a separate purpose designed hand held controller for communication with state of the art technology to ensure robustness and water resistance. Built with no moving parts and long life lithium batteries, the REFLEX ACT-IQ™ needs no maintenance and will operate for approximately 12 months under normal use.



## Accurate Digital Data Collection

The REFLEX ACT-IQ™ bluetooth controller displays accelerometer data collected via time stamping technology, including depth values (when entered at each orientation), inclination, roll, gravity, temperature and all button presses.

Unique sequence logic prevents the recording of incorrect data and also eliminates operator error, ensuring more accurate data. Data stored on the controller cannot be manipulated and using REFLEX's digital auditor software can be used for QA/QC and audit purposes, as well as operational performance and production analysis.



## Improved Operational Efficiency

The REFLEX ACT-IQ™ is designed to improve productivity on-site. It is supplied as a two tool system, while one tool is down the hole, the other is ready for the next run, ensuring no interruption to drilling operations.

Core samples are easily matched with orientation data using a simple to use levelling jig. Bottom or top orientation can be accurately transferred to any core sample. The controller also indicates if the downhole unit has encountered temperatures above its safe operating range, displayed on the LCD screen during data retrieval.

## CORE SIZES

N, N2, N3, H, H3

## DIMENSIONS

Length of tool	120mm The tool sits within the inner tube adding no additional length to assembly. It also eliminates the requirement for an extension barrel.
Weight	10kg (Average weight per kit)
Control unit Outer diameter Length	42mm 300mm

## ACCURACY

Range	0° to ±88° dip
Accuracy	± 1°

## DEPTH RATING

Downhole instrument Housing pressure	Up to 10, 000psi
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## TEMPERATURE RATING

Downhole instrument Operating	-30°C to +80°C (-22°F to 176°F)
Control unit Operating	-30°C to +50°C (-22°F to 122°F)

## BATTERY

The tool has a rechargeable lithium ion. The tool can perform for 60+ hours before requiring charging.

Infrequent use	Up to 2 years
Normal use	60+ hours

Approximate battery life for control unit:

Infrequent use	>2 years
Normal use	2 years

## Further Information

For more information please go to our website [reflexnow.com](http://reflexnow.com) or contact your nearest REFLEX office.

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