REFLEX™
INTELLIGENCE ON DEMAND

REFLEX ACT III™

Confident decisions based on reliable orientation data.

REFLEX ACT III™ 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 III™ 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 III™ needs no maintenance and will operate for approximately 12 months under normal use.

Accurate Digital Data Collection

The REFLEX ACT III™ 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 III™ 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 leveling 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.

REFLEX ACT III™

CORE SIZES

N, N2, N3, H, H3, P, LTK60, B, BTK®, W/L56, W/L66, W/L76, BTW, NTW

DIMENSIONS

Length	300 – 400mm
Control unit	
Outer diameter	42mm
Length	300mm
Weight	30kg (Average weight per kit)

ACCURACY

Range	0° to ±88° dip
Accuracy	± 1°

DEPTH RATING

Downhole instrument	
Housing pressure	Up to 10, 000psi

TEMPERATURE RATING

Downhole instrument	
Operating	-30°C to +60°C (-22°F to 176°F)
Control unit	
Operating	-30°C to +50°C (-22°F to 122°F)

BATTERY

Non-rechargeable lithium battery pack. Approximate battery life for downhole instrument:

Infrequent use	Up to 2 years
Normal use	Up to 12 months

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 or contact your nearest REFLEX office.

AUSTRALIA

Perth (Head Office)
T +61 8 9445 4020

Brisbane
T +61 7 3723 3633

EUROPE

United Kingdom
T +44 1273 483 700

AFRICA

South Africa
T +27 11 908 5595

Ghana
T +233 (0) 30276 9983

MIDDLE EAST

United Arab Emirates (UAE)
T +971 4 449 6800

SOUTH AMERICA

Argentina
T +54 9 261 211 3676

Brazil
T +55 31 3317 1398

Chile
T +56 2 2589 9300

Peru/Ecuador
T +51 1 322 8850

NORTH AMERICA

Timmins, Canada
T +1 705 235 2169

Vancouver, Canada
T +1 604 681 6765

Salt Lake City, USA
T +1 801 364 0233

Mexico and Central America
T + 52 871 169 2095