

# REFLEX ACT II RD

## Rapid Decent Core Orientation Tool



The Reflex ACT II RD retains the quality and consistency of the original Reflex ACT which has become the preferred system for Drillers and Geologists worldwide. This upgraded version provides additional features of Rapid Decent (RD), digital download and infra-red technologies, making the tool even faster, more robust and accurate.

### Key Features & Benefits

- Highly accurate – up to 88°
- Easy to use and maintain
- Water resistant and rugged
- Available for all drilling sizes
- Compatible with Rapid Decent core barrel technology
- No battery charging
- No consumables and hidden costs
- Not affected by geological anomalies
- Digital audit ability and on site diagnostics
- Speed and increased accuracy with time stamping technology (TST)

### Rugged and reliable

The Reflex ACT II RD is an even more robust and reliable instrument than its predecessor. Communication via a separate infra-red hand held controller and the use of state of the art control panel technology have resulted in water resistant and extremely robust equipment.

### Rapid Descent compatible

The Reflex ACT II RD is the only orientation system on the market capable of passing on the time and cost benefits of any Rapid Descent (RD) Coring System.

### User friendly

The operating principal of the ACT II RD is still as simple as its predecessor and now has larger glove friendly buttons. Stop watches are no longer required as the controller automatically records time and date which reduces the chance of human error. LED lights and an audible signal now compliment the LCD screen to direct the operator towards the correct orientation alignment.

### No consumable costs

The Reflex ACT II RD does not require the ongoing purchase of consumables and fits between the backend assembly and core innertube with no need for a grease cap extension.

### Digital Data Download

The robust controller can match the time and date to specific operational events and has the ability to store and download the data direct to a PC in the field. The digital download now means that Reflex can also monitor the performance of the ACT II RD and perform diagnosis instantly via an emailed file.

### New size

Still available in LTK-60, NQ, NQ2, HQ/3, QPQ/3 and now **BQ/BQTK** and W/L 76, 66 & 56.

*The core orientation device is protected by Australian Patent 2006100113 and other patents pending internationally.*

*All patent rights and core orientation device are reserved. Telephone +61 (0) 8 9445 4020*





# ACT II RD Technical Specifications

Core Sizes	
BQ, BQTK, LTK60, NQ, NQ2, NQ3, HQ, HQ3, PQ, PQ3, W/L 76, 66, 55	
Dimensions	
<b>Downhole instrument:</b>	
<b>Outer diameter</b>	To suit all Q* series applications
<b>Length</b>	Average tool length 500 mm
<b>Control unit:</b>	
<b>Outer diameter</b>	125 mm
<b>Length</b>	85 mm
<b>Weight</b>	Average weight per kit is 30 kg
Accuracy	
<b>Range</b>	0 to $\pm 88^\circ$ dipi
<b>Accuracy</b>	Better than $1^\circ$
Depth rating	
<b>Downhole instrument:</b>	
<b>Housing pressure</b>	3,500 m vertical in fresh water
Temperature rating	
<b>Downhole instrument:</b>	
<b>Operating</b>	-30 °C to +85 °C
<b>Control unit:</b>	
<b>Operating</b>	-30 °C to +80 °C
Battery	
<b>Non-rechargeable lithium battery pack</b>	
<b>Approximate battery life; Downhole instrument:</b>	
<b>Infrequent use</b>	3 years
<b>Normal use</b>	2 years
<b>Approximate battery life; Control unit:</b>	
<b>Infrequent use</b>	> 5 years
<b>Normal use</b>	5 years
<b>Measurement every 1 minute</b>	

\* "Q" is a registered trademark of Boart Longyear

## Rental, Sales & Support

Reflex is a leading global manufacturer of survey and orientation instruments for drill holes. Its product portfolio includes a complete program of borehole surveying instruments for mining, tunnelling, construction, and other geotechnical applications. Reflex is established in all major markets; the Americas, Africa, Europe and Asia Pacific. The success of Reflex is based on its leading innovative technology, customer focus and a network of local service centres world wide.

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