

REFLEX IQ-LOGGER™

Easy-to-use core logging solution provides fast, accurate structural measurements.



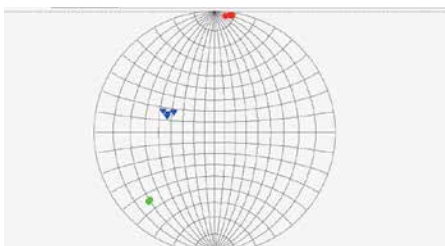
The REFLEX IQ-LOGGER™ solution negates the excessive time required for logging, while the digital transfer of structural measurements provides a reliable digital audit trail. The inbuilt data verification capability using stereonet projections ensures orientations are accurate and reliable.

Accuracy & Ease of Use

The REFLEX IQ-LOGGER™ handheld structural logging device can simply be rolled along the orientation line on diamond core automatically recording depth and structural measurements can be taken at the press of a button.

Laser alignment with structures is far easier and more intuitive than current goniometers on the market, and there is no need to remove the core from the core tray to log.

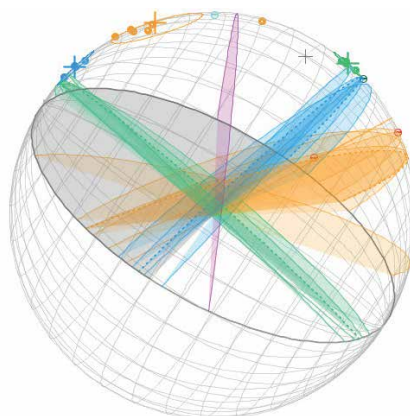
QA/QC and data editing is done at the point of data collection to ensure accuracy, data then flows digitally, without the risk of alteration or error, from field to office.



Immediate Information

The REFLEX IQ-LOGGER™ software allows real-time viewing of structural measurements from oriented drillcore on a stereonet and attribution of metadata against the structure for better decision making.

The IQ-LOGGER™ solution includes a seamless workflow into IMDEX's ioGAS™ for stereonet interpretation incorporating assay and other geoscience data.



Application

Geologists in mining and exploration environments use the data from the REFLEX IQ-LOGGER™ for a better understanding of the orientation of ore controlling structures.

Geotechnical engineers use the data from the REFLEX IQ-LOGGER™ for safe and cost effective mine design.

“The IQ-LOGGER™ allowed us to collect 10x the structural data over traditional systems and at a higher quality.”

Chris Gallagher - Exploration Technology Manager,
TerraLogic Exploration Inc



Operation

The REFLEX IQ-LOGGER™ solution allows users to gather accurate depth recordings with the flexibility to deal with zones of broken core by simply rolling along the orientation line.

Once the handheld device is aligned with a structure of interest the orientation of the structure can be recorded with a press of a button. Data can be immediately verified via the in-built stereonet plot and exported to a USB or transferred digitally for immediate access.

IMDEX's ioGAS™ can then be used for further interpretation with other geoscience data.

Further Information

For more information please go to our website reflexnow.com or contact your nearest REFLEX office.

TECHNICAL SPECIFICATIONS

Dimensions (L x W x H) 175 mm x 48 mm x 62 mm

LASER

Red line laser Beam width: >90°
Class 2

BLUETOOTH

Bluetooth tether between device and computer

MEASUREMENT ACCURACY

Distance accuracy Within 1 cm per 1 m
(1% accuracy)

Angular measurements Less than 2° *

OPERATING TEMPERATURE

Operating temperature -20°C to +55°C

IP RATING

IP rating IP30

BATTERY

Battery life 16 hours

SOFTWARE

Software requirements PC running Windows 7 or later

REFLEX IQ-LOGGER™ KIT BOX

Includes Device / Spare battery / Test jig
Charging cable and charger

* Overall accuracy is heavily user dependent.

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