

REFLEX EZ-A

Instant survey data accessible on site

The REFLEX EZ-A is a digital downhole survey instrument, capable of both single and multi-shot proficiency. With an operating core grade of AQ* value, the slimline 25mm barrel can be used for various slim hole applications in all-angle surveys. With an inbuilt infrared communication link the REFLEX EZ-A is able to transfer vital downhole data quickly and efficiently via a handheld computer, allowing instant, comprehensive analysis.

**QUICK AND SIMPLE PROCESSING,
PROVIDING ACCURATE DATA**



SINGLE AND MULTI-SHOT FUNCTION

With both single and multi shot capabilities, the REFLEX EZ-A has the capacity to survey from one to five single shots and up to 9,000 multi shots depending on the desired mode. The added gravity roll angle and magnetic tool face functions can be used for the use with orientation wedges, down hole and directional motors. The data captured by the REFLEX EZ-A provides for reliable accurate, all angle surveys within the mining, exploration, and construction industries.



ALL ANGLE SURVEYING

For each shot taken, three magnetic field and three gravity field components are recorded, together with temperature, time and date. Paired with the hand held device this allows comprehensive analysis and presentation of survey data on site. Survey data is displayed in tabular form, as well as in 2D and 3D graphical form. The 3D presentation allows the user to get a realistic view of the perspectives and offers interactive actions such as rotation and zoom.



USER FRIENDLY

REFLEX EZ-A has been designed to be user friendly. The instrument has a builtin interface with editable options managed by a single control switch in addition to a handheld device. An infrared connection eliminates the need for cables. The REFLEX EZ-A is a digital device which immediately presents survey data without any unhealthy chemicals, time-consuming film processing, compass roses or complicated calculations.

REFLEX EZ-A SPECIFICATIONS

Operating Features	<ul style="list-style-type: none"> • Single and multi-shot modes • Inclinometer • Variable time delay: 5 to 32 sec • Self contained, battery powered
Azimuth (direction)	<ul style="list-style-type: none"> • Range 0 to 360° • Accuracy +/- 0.35°
Roll Angle	<ul style="list-style-type: none"> • Tool face reads to 0.25° • Tool face gravity, in degrees • Tool face magnetic, in degrees
Magnetism	<ul style="list-style-type: none"> • Magnetic field strength, in nanoTesla • Magnetic dip, in degrees
Pressure	<ul style="list-style-type: none"> • 6,000 psi [41.4 MPa] or 4,000 metre water pressure without pressure • barrel 20,000 psi [137.9 MPa] or 13,800 metre water pressure with 36/38 mm pressure barrel
Temperature	<ul style="list-style-type: none"> • Full accuracy between 0° C to +60° C [+32° F to +140° F] • Operates to +70° C [+158° F] ambient temperature without heat shield • Operates to +177° C [+350° F] ambient temperature with heat shield
Operating Specifications	<ul style="list-style-type: none"> • Storage -20°C to 85°C [+31°F to +140°F]
Solid State Electronics	<ul style="list-style-type: none"> • Down hole electronic recording • Non-volatile memory and data retention • Thermal modelling for accurate calibration over the entire temperature range
Dimensions	<ul style="list-style-type: none"> • Outer diameter 25.0 mm [1.0"] • Length 790 mm [31.126"] • Weight 1.7 kg [1.2 lbs]
Optional Equipment	<ul style="list-style-type: none"> • 3 extension rods, each 1.5 m long, 36mm O.D. • Landing collar [AQ* - PQ* sizes] • Pin Spear, Swivel or A rod attachment • Bull plug and Mule shoe • Pressure barrels 36 & 38mm
Handheld Computer	<ul style="list-style-type: none"> • REFLEX EZ-COM
PC/Laptop	<ul style="list-style-type: none"> • Windows • REFLEX SProcess • REFLEX AQS communication software

*Q[®] is a registered trademark of Boart Longyear that refers its Q[®] Wireline System. The use of the Q mark herein is not intended to equate the Q mark with a particular hole size but rather to indicate that REFLEX's products and services are designed and intended to be used with Boart Longyear's Q[®] Wireline System, as well as other Wireline systems available in the industry that are comparable to that of the Q[®] Wireline System.

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