

REFLEX EZ-SHOT

On site access to survey data

The REFLEX EZ-SHOT is a single shot instrument designed to identify the deviation of boreholes. The REFLEX EZ-SHOT is a totally self contained instrument that is controlled via an integrated keypad membrane and an LCD display.

The REFLEX EZ SHOT fits most standard commercial running gear from BQ* to PQ*. Survey kits can be provided in two standard configurations, 36 and 38mm.



FAST OPERATION, IN ALL DIRECTIONS



SEVEN PARAMETERS IN ONE SHOT

The REFLEX EZ-SHOT is a single shot instrument, which quickly provides information about the borehole. The instrument measures seven parameters in one single shot: azimuth, dip, roll angle relative gravity, roll angle relative magnetic north, temperature, magnetic field strength and magnetic dip angle. As soon as the instrument has been retrieved from the borehole, results can be read on the integrated display without an external computer.



ACCURATE

The REFLEX EZ-SHOT is a high precision magnetic and gravimetric instrument. Three fluxgate magnetometers measure the local geomagnetic field and provide the horizontal component – the azimuth – relative to magnetic north. Three extremely accurate accelerometers provide the vertical component – the dip – and the rotation relative gravity. The REFLEX EZ-SHOT includes a Quality Check function with a predetermined magnetic threshold to highlight survey data that is outside the range of acceptable magnetic interference.



ROBUST AND RELIABLE

The REFLEX EZ-SHOT is has been specifically designed to be robust, reliable and easy to use. The REFLEX EZ-SHOT is totally self-contained, with integrated electronics, control panel and batteries. No cables, battery charging, external computer, regular maintenance, or moving parts to wear and in harsh, on site conditions. Low power consumption in combination with a long-life lithium battery pack, allows many years of normal use between battery replacements.

REFLEX EZ-SHOT SPECIFICATIONS

Dimensions	<ul style="list-style-type: none"> Outer diameter 31.7 mm Length 846 mm Weight 2 kg
Operating features	<ul style="list-style-type: none"> Single shot Orientation Azimuth and dip Azimuth quality check Magnetic profile Thermal profile
Range and typical error	<ul style="list-style-type: none"> Azimuth 0-360° ±0.5° Dip ±90° ±0.2° Roll angle, relative gravity 0-360° ±0.2° Roll angle, relative magnetic N 0-360° ±0.5° Temperature -40 to +85 °C ±1 Magnetic field strength 0-100,000 nT ±50 nT Magnetic dip angle ±90° ±0.4°
Timer	<ul style="list-style-type: none"> Survey start delay selectable from 1-1,000 min 1 minute increments
Temperature rating	<ul style="list-style-type: none"> Total range -20°C to +85°C Highest accuracy achieved between 0°C & +60°C Shock rating 6,000 g, 0.5 ms, ½ sine Pressure rating 2,250 psi [16 MPa] [36 mm pressure barrel] 6,000 psi [41 MPa] [38 mm pressure barrel]
Battery	<ul style="list-style-type: none"> Internal Lithium TCL, 7.2 V, 2.7 Ah 5 year service life [2,500 surveys of 1 hour each]
Electronics	<ul style="list-style-type: none"> Tri-axial solid state accelerometers Tri-axial solid state fluxgate magnetometers
Memory	<ul style="list-style-type: none"> Memory capacity 50 surveys
Optional software	<ul style="list-style-type: none"> REFLEX SProcess

Please contact your local REFLEX representative for more information on the range of running gear, survey kits and orientation equipment available from REFLEX.

*Q® is a registered trademark of Bort 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 Bort 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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