

REFLEX MAXIBOR II

Optical borehole survey system

The REFLEX MAXIBOR II is an advanced optical instrument for accurate surveying of drill holes and tunnels in magnetically disturbed environments. The REFLEX MAXIBOR II is the ultimate surveying tool for long inclined and horizontal holes.

The REFLEX MAXIBOR II is highly versatile, with an outside diameter of only 44mm, it can be used in a variety of applications; it can be run on rods or wireline, or pumped into the hole and optional centralisers are available for measurement inside large diameter holes.

The REFLEX MAXIBOR II can be set to measure inclination and azimuth every 1.5 or 3m and can be run and results presented in either metres or feet.

An infrared data link ensures reliable and rapid data communications, and Windows based software improves data processing ability in the field.



EASY TO USE, LOW COST TO OPERATE



HIGHLY ACCURATE

The REFLEX MAXIBOR II is a highly accurate surveying tool with solid state silicon accelerometers guaranteeing precision and providing direct inclination and roll information. The tool requires no calibration, manual calculations or instrument drift corrections, minimizing the risk of human error. The REFLEX MAXIBOR II surveys both in and out of the hole for instant QA/QC repeatability check.



IMPROVE PRODUCTIVITY

The REFLEX MAXIBOR II is designed for simple, straightforward operation, which reduces survey time and costs. Using the Maxibor II, there is no need to pull drill rods before the survey and it is quick to use, a 100m survey can be performed in only 20 minutes (depending on the rig). Survey results are automatically calculated and are available for immediate presentation on site.



ROBUST CONSTRUCTION

The REFLEX MAXIBOR II has been designed to withstand harsh on site conditions, delivering reliable operation and minimizing down time. Fully sealed electronics and optics reduce the risk of accidental water entry while robust optics eliminate the need for continual re-calibration. Interchangeable industrial alkaline battery packs provide years of normal use before replacement is required, due to the low power consumption of the unit.

REFLEX MAXIBORE II SPECIFICATIONS

<i>Dimensions</i>	<ul style="list-style-type: none"> • Tool diameter 44.0 mm • Tool length 1,200 mm
<i>Optics</i>	<ul style="list-style-type: none"> • Optical CMOS image sensor • Light source 6 x high intensity LED • Exposure interval minimum 5s typical 10s
<i>Solid State Electronics</i>	<ul style="list-style-type: none"> • Downhole electronic recording • Non-volatile memory and data retention • Thermal modelling for accurate calibration
<i>Batteries</i>	<ul style="list-style-type: none"> • Interchangeable industrial alkaline battery pack
<i>Memory</i>	<ul style="list-style-type: none"> • Memory capacity over 16 hours at 10 second intervals
<i>System Accuracy</i>	<ul style="list-style-type: none"> • Better than 1:1000 relative to hole length
<i>Pressure and Shock Rating</i>	<ul style="list-style-type: none"> • 3,500 metre water pressure gives 50% safety margin • Shock survival 6 000g, 0.5 ms 1/2 sine
<i>Operating Temperature</i>	<ul style="list-style-type: none"> • -40°C to +65°C [-4°F to +150°F] [with lithium batteries] • -20°C to + 65°C [-4°F to + 150°F] [with alkaline batteries]
<i>Standard Equipment</i>	<ul style="list-style-type: none"> • Camera probe • Reflector tubes • Reflector rings • Reflector tube couplings • Bottom coupling • Camera cap • Sealing ring exchanger device • Reflector ring extractor • TDS Recon Pocket PC • REFLEX Maxibor II Pocket PC Application • REFLEX SProcess software • REFLEX Maxibor II Manual • Spare reflector material • Spare sealing rings • Silicon grease • Transport boxes
<i>Optional Equipment</i>	<ul style="list-style-type: none"> • Pin spear coupling • Top coupling with blank end • Swivel sub assembly • Landing sub assembly • USB 2.0 Reader/Writer • Stylus pen • Centralisers

AUSTRALIA

Head Office

T +61 8 9445 4020
F +61 8 9445 4040

reflex@imdexlimited.com



EUROPE

United Kingdom

T +44 (0) 1273 405 975

AFRICA & MIDDLE EAST

United Arab Emirates (UAE)

T +971 4 449 6800

South Africa

T +27 11 908 5595

NORTH AMERICA

Timmins, Canada

T +1 (705) 235 2169

Vancouver, Canada

T +1 (604) 681 6765

SOUTH AMERICA

Brazil

T +55 (11) 3171 0420 (SP)

Chile

T +56 (2) 2589 9300

The *imdex* Group

reflexinstruments.com