Gone are the days when the survey tool had to stand still at each survey station to log data. The DeviFlex Rapid can be moved continuously without stopping from start to end of hole, and back again.

DeviFlex Rapid is a package consisting of the highly popular non-magnetic DeviFlex Auto-Rotate survey instrument, the smart DeviCounter and QA processing software. With these three technologies combined, the user can perform high accuracy surveys at a fraction of the time previously needed.

This non-magnetic strain gauge survey tool is not affected by magnetics making it ideal for in-rod surveying, eliminating the guess-work associated with magnetic single/multishot survey instruments.

**Applications**
- Underground Diamond Drilling Wireline, Pump down or conventional
- Surface Diamond Drilling - Wireline
- Pilot holes
- Exploration
- Grade Control
- Resource Definition
- Geotechnical Investigation
- Suits a large variety of coring rods
- Dip Range (+85° to -85°)

**Benefits**
- Improved driller safety
- Continuous survey operation
- Inrod surveying – not affected by magnetics
- Pause mid survey for up to 12 hours
- No stopping for stations
- Monthly battery recharge (400 hrs use)
- More cost effective and robust than gyro instruments
- Highly robust and reliable
- Simple and intuitive software
- High accuracy
- Zero drift over time
- Backed by the unbeatable Devico Repair Guarantee: www.devico.com/warranty
The DeviFlex Rapid instrument is a non-magnetic, memory, reference, survey tool based on high sensitivity strain gage technology.

Three specially designed centralizers are fitted along the length of the tool, each centralizer fits comfortably inside the drill rod, held in position by two strong springs. The centralizers are designed to rotate the DeviFlex Rapid as it traverses inside the drill string, ensuring any bias errors are efficiently eliminated.

Besides the continuous capability the DeviFlex Rapid also features auto-rotate centralizers, quick assembly solutions and dedicated operation software.

Depth Measurement

The DeviCounter digital wire counter is included in the DeviFlex Rapid package. It connects wirelessly to the operating PDA and stays connected through the survey run, continuously updating the display with high accuracy depth data. Further information is available in the DeviCounter brochure.

Operating Software

DeviSoft Mobile is an intuitive and simple to navigate software that allows the user to start and perform the survey. It connects to both the DeviFlex and DeviCounter, combining the data automatically and accurately.

The software allows both continuous and discrete survey performance.

Processing Software

When the survey is completed, the survey data is run through a quality assurance software, that processes and analyses the in and out run. The data is checked by a stringent multi-step quality control feature, ensuring the data is always of high quality and accuracy.

Operation

The DeviFlex Rapid is connected to the overshot and may be lowered or pumped into the borehole at high speed while surveying. Survey data is recorded both during the in and out run for comparison and additional quality control.

With its no-drift strain gage sensors and long life battery package, the DeviFlex Rapid may be used over long durations, in inclined, horizontal or up-holes without affecting accuracy.

Collar Reference

The DeviSight (surface) or DeviAlinger (surface & underground) are recommended for collar reference alignment. Further information is available in their respective brochures.

Maintenance

Unlike other non-magnetic instruments, DeviFlex Rapid requires very little maintenance and repair. The centralizers do require routine cleaning as they are a critical component of the DeviFlex.

Technical Specifications

<table>
<thead>
<tr>
<th>Survey tool</th>
<th>Weight</th>
<th>Diameter</th>
<th>Length</th>
<th>Magnetic</th>
<th>Running gear</th>
<th>Survey modes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20kg/44lbs</td>
<td>40mm/1.57&quot;</td>
<td>4000mm/13.1ft</td>
<td>No</td>
<td>Integrated</td>
<td>Continuous and multishot</td>
</tr>
<tr>
<td>Auto-Rotate</td>
<td>-90°/4m</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Inclination accuracy</td>
<td>±0.2°</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direction accuracy</td>
<td>±0.01° per station</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tool face accuracy</td>
<td>±0.2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inclination range</td>
<td>+90 to -90°</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp range</td>
<td>-15° to 75°C (5° to 167°F)</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Battery life</td>
<td>400hrs</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Pressure</td>
<td>300bar/4350psi</td>
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<td></td>
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<tr>
<td>Survey Accuracy</td>
<td>0.3%</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PDA</th>
<th>Type</th>
<th>Software</th>
<th>Battery life/type</th>
<th>IP rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nomad</td>
<td>DeviSoft</td>
<td>15 hours/Lithium</td>
<td>IP67</td>
</tr>
</tbody>
</table>

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