3D Indicate Control Excavator System

- Cut grade fast and accurately
- Cut flat, vertical and 3D surfaces
- Fully upgradeable
- Improves job safety
- Lightbar grade guidance and built-in audible alarms

Track every movement
This trim 3D excavator system provides modern tools when excavating complex slopes or even while working “in the blind.” Bucket movement is tracked in real time, delivering key information to reach grade repeatedly.

Software driven
The purpose-built X-53i system allows you to work independently – the software quickly directs you to centerlines and guides your bucket to grade. Keep your schedule on track and streamline tasks.

Armed with intelligence
With integrated GNSS technology, a bright and clear touchscreen control box, and innovative tilt sensors – the X-53i system saves time, facilitates common tasks and movements while improving safety daily. Eliminate over-excavation while reaching the target grade with precision.

MC-i4
Mounted inside the machine to prevent damage, this versatile GNSS receiver allows for multiple communication options.

TS-1 / TS-i3
Tilt sensors are mounted along the bucket, stick, boom, and body for complete bucket control at any angle.

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**GX-55 Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>9 to 32 VDC</td>
</tr>
<tr>
<td>Ports</td>
<td>2x USB, Ethernet, RS-232, 2x CANBus, 2x Digital inputs</td>
</tr>
<tr>
<td>Display Panel</td>
<td>640x480 Color VGA, enhanced brightness with analog touchscreen</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows® CE</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-40°C to 70°C</td>
</tr>
<tr>
<td>Weight</td>
<td>1.26 kg with backpack, 1 kg without backpack</td>
</tr>
</tbody>
</table>

**MC-i4 Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>9 to 32 VDC</td>
</tr>
<tr>
<td>GNSS</td>
<td>Single or Dual</td>
</tr>
<tr>
<td>Ports</td>
<td>RS232, RS485, 10/100 Ethernet, CAN J1939, CAN J1939 / CANOPEN</td>
</tr>
<tr>
<td>Connectors</td>
<td>Deutsch DTM06 12 pin (power, ground, serial), Deutsch DTM06 12 pin (Ethernet and CAN), RP-TNC (cellular radio), RP TNC (LPS, or WiFi, or UHF radio (optional)), 2x TNC for GNSS (optional)</td>
</tr>
<tr>
<td>Shock</td>
<td>25 g, 11 ms, any axis</td>
</tr>
<tr>
<td>Weight</td>
<td>1 kg</td>
</tr>
<tr>
<td>Dust/Water Rating</td>
<td>IP67</td>
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</tbody>
</table>

**TS-1 Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>10 to 30 VDC</td>
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<tr>
<td>Resolution</td>
<td>.01 Degree</td>
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<td>Protocol</td>
<td>CAN-Open</td>
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<tr>
<td>Sensor</td>
<td>Solid state, 3-axes, 360</td>
</tr>
<tr>
<td>Housing</td>
<td>Powder-coated aluminum</td>
</tr>
<tr>
<td>Dust/Water Rating</td>
<td>IP67</td>
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</tbody>
</table>