### CONTROL BOXES

<table>
<thead>
<tr>
<th>Specifications</th>
<th>GL10</th>
<th>GL20</th>
<th>GL52</th>
<th>GL512</th>
<th>GL710</th>
<th>GL722</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Display Channels</td>
<td>2-Channel</td>
<td>2-Channel</td>
<td>5-Channel</td>
<td>5-Channel</td>
<td>6-Channel</td>
<td>6-Channel</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20° to +50°C (-4° to 122°F)</td>
<td>-20° to +50°C (-4° to 122°F)</td>
<td>-20° to +50°C (-4° to 122°F)</td>
<td>-20° to +50°C (-4° to 122°F)</td>
<td>-20° to +50°C (-4° to 122°F)</td>
<td>-20° to +50°C (-4° to 122°F)</td>
</tr>
<tr>
<td>Battery Life</td>
<td>55 hrs</td>
<td>55 hrs</td>
<td>30 hrs NiMh</td>
<td>30 hrs NiMh</td>
<td>30 hrs NiMh</td>
<td>30 hrs NiMh</td>
</tr>
<tr>
<td>Remote Battery Life</td>
<td>(2 x AA Alkaline)</td>
<td>(2 x AA Alkaline)</td>
<td>(2 x AA Alkaline)</td>
<td>(2 x AA Alkaline)</td>
<td>(2 x AA Alkaline)</td>
<td>(2 x AA Alkaline)</td>
</tr>
<tr>
<td>LED Battery Life</td>
<td>Alkaline Bright/Dim</td>
<td>Ni-MH Bright/Dim</td>
<td>Alkaline Bright/Dim</td>
<td>Ni-MH Bright/Dim</td>
<td>Alkaline Bright/Dim</td>
<td>Ni-MH Bright/Dim</td>
</tr>
</tbody>
</table>

### LASER RECEIVER

**Specifications**

- **GL10 GL20 GL52 GL512 GL710 GL722**

<table>
<thead>
<tr>
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<th>GL10</th>
<th>GL20</th>
<th>GL52</th>
<th>GL512</th>
<th>GL710</th>
<th>GL722</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale Range</td>
<td>0 to ±100 mm (±4 in)</td>
<td>0 to ±100 mm (±4 in)</td>
<td>0 to ±100 mm (±4 in)</td>
<td>0 to ±100 mm (±4 in)</td>
<td>0 to ±100 mm (±4 in)</td>
<td>0 to ±100 mm (±4 in)</td>
</tr>
<tr>
<td>Scale Resolution</td>
<td>0.001 in up to 0.003 in (0.02 mm up to 0.08 mm)</td>
<td>0.001 in up to 0.003 in (0.02 mm up to 0.08 mm)</td>
<td>0.001 in up to 0.003 in (0.02 mm up to 0.08 mm)</td>
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<td>0.001 in up to 0.003 in (0.02 mm up to 0.08 mm)</td>
</tr>
<tr>
<td>Standing Distance</td>
<td>500 ft / 150 m</td>
<td>500 ft / 150 m</td>
<td>500 ft / 150 m</td>
<td>500 ft / 150 m</td>
<td>500 ft / 150 m</td>
<td>500 ft / 150 m</td>
</tr>
<tr>
<td>Hot Point</td>
<td>30 ft (10 m)</td>
<td>30 ft (10 m)</td>
<td>30 ft (10 m)</td>
<td>30 ft (10 m)</td>
<td>30 ft (10 m)</td>
<td>30 ft (10 m)</td>
</tr>
<tr>
<td>Temp Range</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
<td>0°F to 122°F (–18°C to 50°C)</td>
</tr>
<tr>
<td>Accuracy: Center on Grade (grading)</td>
<td>5 mm (0.20 in)</td>
<td>10 mm (0.40 in)</td>
<td>10 mm (0.40 in)</td>
<td>10 mm (0.40 in)</td>
<td>10 mm (0.40 in)</td>
<td>10 mm (0.40 in)</td>
</tr>
<tr>
<td>Accuracy: Offset on Grade (excavating)</td>
<td>12 mm (0.50 in)</td>
<td>25 mm (1.0 in)</td>
<td>25 mm (1.0 in)</td>
<td>25 mm (1.0 in)</td>
<td>25 mm (1.0 in)</td>
<td>25 mm (1.0 in)</td>
</tr>
</tbody>
</table>

### CONTROL DETAILS

- **It's easy to check grade while I work.**
Compact Machine Solutions from Trimble

YOU'RE NOW IN CONTROL

Control

Solutions that improve the way you work

Maximize the control, speed and flexibility of your compact equipment. Mini machines = major productivity.

Easy-to-use laser-based systems for small trucks, backhoe loaders and mini-excavators allow you to:

- Increase the productivity of your compact machines
- Use your compact machines for more specialized and finished grade applications
- Reduce labor and downtime waiting for grade checks
- Minimize money by meeting the material contract the first time

Visit Your SITECH® Heavy Civil Construction Technology Dealer Today. They will help you select the laser-referenced system to fit your needs and budget.

Mini machines

MINI MACHINES

Solutions that improve the way you work

Depth Display Systems for Excavating

Control Systems for Grading

- Real-time dynamic depth display improves the accuracy and productivity of your compact excavation equipment.
- Control systems can be used on small trucks, loaders, backhoes.
- Flexible systems can be used on mini or excavator and backhoe loaders and excavators.

Single and Dual Control Grading Systems

- Offered in single or dual control systems to control lift-only or lift and tilt operations.
- Cost-effective systems can be used on skid steers, levelers, backhoe loaders and box blades.

Laser-Referenced Systems for Efficient Grading

- Spectra Precision® Laser Automatic Machine Control Systems take grading with compact machines to the next level.
- These systems provide the operator with high-speed, accurate and reliable performance for a wide range of applications.
- Single or dual control systems can be used in conjunction with laser referencing to improve production rates and accuracy.

Extremely rugged and highly flexible, machines control systems can be used in a wide range of machines, including small trucks, loaders, backhoe loaders, and excavators.

DASHER

DDS300 Dynamic Depth Display System

FASTER EXCAVATING

DDS300 Dynamic Depth Display System

Productivity

The DDS300 Dynamic Depth Display System from Trimble introduces a new level of productivity for compact excavators and backhoes. The DDS300 is ideal for a range of excavation work including basements and footers as well as trenching for sewage, conduit and utility installation.

The system utilizes wireless, laser and angle sensor technology along with a bright, 4-color in-cab display to provide dynamic real-time positioning information for the bucket at all times. This information allows the operator to excavate, trench, grade or cut profiles more quickly and accurately than traditional laser-referenced machine guidance systems.

Wireless connectivity between sensors on the boom stick and bucket and the in-cab control box eliminates cables, and makes the system extremely easy to install.

SPECTRA PRECISION® LASER

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