XL Detect and XL Detect+ VideoProbes
Expect better inspections.
With the XL Detect and XL Detect+ VideoProbes, it’s all in the details. Improve accuracy and speed up workflow with crisp image quality, plus an upgraded 5” LCD screen on the XL Detect+. Lower your maintenance costs with rugged durability. And get expert support from GE anywhere, anytime. All in a lightweight, portable, and easy-to-use device. The high-end capabilities you need—without the high price.

**Be confident in your results.**
Complete fast, precise inspections with superior image quality, plus a 5” LCD screen and 3X brighter display on the XL Detect+.

**Cut down on costs.**
Lower your maintenance spending with durability you can trust, even in the harshest inspection environments.

**Stay flexible.**
At just 4.3 lbs., the device is lightweight and portable, featuring a rugged carrying case with integrated insertion tube storage reel.

**Learn quickly.**
The intuitive interface includes Menu Directed Inspection (MDI) 1.1, an application to guide users through inspections and organize results for simpler reporting.

**Experience true peace of mind.**
Get readily available assistance from GE experts, wherever you are.

**Now with a 5” LCD screen for clear-cut inspections.**
The new XL Detect+ display is 85% larger, with crystal clear image quality unmatched in the industry. That means a simpler interface, less eyestrain on long inspections, and more accurate images right on your device. Because when you can see clearly, you improve POD, speed up your workflow, and deliver results with confidence.

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- Included battery charger/ac adapter
- Hands free mount kit (optional)
- Optical Tip Adapter Case
- Tube Gripper (optional)
- Rigidizer (optional)
- 4 hour batter (optional)
- Hard copy user manual (optional)
- Integrated insertion tube storage reel
- Mount kit swivel ball (optional)
Technical Specifications

Operating Environment

Tip Operating Temp: -25°C to 100°C (-13°F to 212°F) Reduced articulation below 0°C (32°F)
System Operating Temp: -20°C to 46°C (-4°F to 115°F) LCD requires warm-up period below 0°C (32°F)
Storage Temperature: -25°C to 60°C (-13°F to 140°F)
Relative Humidity: 95% max, non-condensing
Waterproof: Insertion tube and tip to 14.7 psi (1 bar, 10.2 m of H2 O, 33.5 ft of H2 O)
Environmental: XL Detect: Tested to IP55
XL Detect+: Tested to IP65

System

Case Dimensions: 48.8 x 38.6 x 18.5 cm (19.2 x 15.2 x 17.3 in)
System Weight:
  In Case: XL Detect: 6.50 kg (14.30 lb) XL Detect+: 6.74 kg (14.87 lb)
  Without Case: XL Detect: 1.73 kg (3.80 lb) XL Detect+: 1.98 kg (4.37 lb)
Power (Lithium Ion Battery) 8.4 V, 38 Wh (2 hour) 8.4 V, 75 Wh (4 hour)
Power Supply:
  AC Input: 100-240 VAC, 50-60 Hz, 1.5 A Max DC Output: 9.5 V, 6.0 A
Construction: Polycarbonate housings with integrated Versalon™(JP) bumpers
Dimensions: 9.53 x 13.34 x 34.29 cm (3.75 x 5.25 x 13.50 in)
LCD Monitor: XL Detect: Integrated transflective 9.40 cm (3.70 in) active matrix VGA color LCD with XpertBright, 640 x 480 resolution
XL Detect+: Integrated 12.7 cm (5.0) active matrix VGA color LCD, Transmissive display.
Joystick Control: 360 All-Way Tip articulation, menu access and navigation
Button Set: Access user functions, measurement and digital functions
Audio: Integrated 2.5 mm headset/microphone jack
Internal Memory:
  XL Detect: 1 GB Flash memory
  XL Detect+: 4 GB Flash memory
Data I/O Ports:
  One USB® 2.0 port
Video Port:
  VGA Video Out
Brightness Control:
  Auto and Variable
Illumination Type:
  White LED
Long Exposure:
  Via auto and manual mode
White Balance:
  Factory default or user defined

Software

Operating System: Real-time multi-tasking operating system
User Interface: Simple drop-down menu-driven operation Menu navigation using articulation joystick
File Manager: Embedded file manager software supporting:
File & Folder creation, naming, deleting Store to internal Flash (C:\) or USB ThumbDrive Copy between USB and C:\
MDI Software (optional): Provides user defined guided inspection Creates DICONDE compatible inspection files Creates MS Word® compatible inspection reports
Audio Data: PC compatible (.AAC) file format
Image Control:
  Invert, Zoom (5X digital) Image Capture and Recall
Digital Zoom: Continuous (5.0X)
Image Formats:
  Bitmap (.BMP), JPEG (.JPG)
Video Format: MPEG 4
Text Annotation:
  Built-in full screen text overlay generator Supports international language character sets 100 text line capacity
Graph Annotation: User placement of arrows
Articulation Control:
  “Steer & Stay” articulation lock/fine articulation Tip “Home” return to neutral forward-tip orientation
Software Updates:
  Field updateable via USB ThumbDrive
Languages:
  English, Spanish, French, German, Italian, Russian, Japanese, Korean, Portuguese, Chinese, Polish

Insertion Tube Length and Diameter Options

<table>
<thead>
<tr>
<th>CAMERA DIAMETER</th>
<th>INSERTION TUBE WORKING LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 mm (0.157 in)</td>
<td>2.0 m (6.6 ft)</td>
</tr>
<tr>
<td>6.1 mm (0.242 in)</td>
<td>2.0 m (6.6 ft)</td>
</tr>
<tr>
<td>8.4 mm (0.331 in)</td>
<td>3.0 m (9.8 ft)</td>
</tr>
</tbody>
</table>
### Tip Articulation

<table>
<thead>
<tr>
<th>Insertion Tube Length</th>
<th>Straight Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0, 3.0 or 4.5 m</td>
<td>Up/Down - 140° min, Left/Right - 140° min</td>
</tr>
<tr>
<td>6.0 m</td>
<td>Up/Down - 120° min, Left/Right - 120° min</td>
</tr>
<tr>
<td>10.0 m</td>
<td>Up/Down - 100° min, Left/Right - 100° min</td>
</tr>
</tbody>
</table>

**Note:** Typical articulation exceeds minimum specifications

### Tip Optics

#### Standard Tips

<table>
<thead>
<tr>
<th>Tip View (DOV)</th>
<th>Tip Color</th>
<th>Field of View (FOV)</th>
<th>Depth of Field (DOF)</th>
<th>4.0 mm Optical Tip Part #</th>
<th>6.1 mm Optical Tip Part #</th>
<th>8.4 mm Optical Tip Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORWARD</td>
<td>NONE</td>
<td>80°</td>
<td>35 mm–infinity</td>
<td>(1.38 in–infinity)</td>
<td>T4080FF</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>BLACK</td>
<td>115°</td>
<td>4 mm–infinity</td>
<td>(0.16 in–infinity)</td>
<td>T40115FN</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>NONE</td>
<td>50°</td>
<td>50 mm–infinity</td>
<td>(1.97 in–infinity)</td>
<td>XLG3T6150FF</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>ORANGE</td>
<td>80°</td>
<td>12–200 mm</td>
<td>(0.47–7.87 in)</td>
<td>XLG3T6150FG</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>YELLOW</td>
<td>90°</td>
<td>20 mm–infinity</td>
<td>(0.79 in–infinity)</td>
<td>XLG3T6190FF</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>BLACK</td>
<td>120°</td>
<td>5–120 mm</td>
<td>(0.20–4.72 in)</td>
<td>XLG3T61120FG</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>PURPLE</td>
<td>50°</td>
<td>12–80 mm</td>
<td>(0.47–3.15 in)</td>
<td>XLG3T6150FB</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>BLACK</td>
<td>120°</td>
<td>5–200 mm</td>
<td>(0.20–7.87 in)</td>
<td>XLG3T84120FN</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>WHITE</td>
<td>40°</td>
<td>250 mm–infinity</td>
<td>(9.84 in–infinity)</td>
<td>XLG3T8440FF (2)</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>BLUE</td>
<td>40°</td>
<td>80–500 mm</td>
<td>(3.15–19.68 in)</td>
<td>XLG3T8440FG</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>RED</td>
<td>120°</td>
<td>25–500 mm</td>
<td>(0.98–19.68 in)</td>
<td>XLG3T8480FG</td>
<td></td>
</tr>
<tr>
<td>FORWARD</td>
<td>GRAY</td>
<td>120°</td>
<td>20–infinity</td>
<td>(0.79”–infinity)</td>
<td>T61120FF</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>BLUE</td>
<td>120°</td>
<td>6 mm–infinity</td>
<td>(0.24 in–infinity)</td>
<td>T40120SF</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>RED</td>
<td>115°</td>
<td>1–30 mm</td>
<td>(0.04–0.38 in)</td>
<td>T40115SN</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>BROWN</td>
<td>50°</td>
<td>45 mm–infinity</td>
<td>(1.77 in–infinity)</td>
<td>XLG3T6150SF</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>GREEN</td>
<td>50°</td>
<td>9–160 mm</td>
<td>(0.35–6.30 in)</td>
<td>XLG3T6150SG</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>BLUE</td>
<td>120°</td>
<td>4–100 mm</td>
<td>(0.16–3.94 in)</td>
<td>XLG3T61120SG</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>RED</td>
<td>80°</td>
<td>1–20 mm</td>
<td>(0.04–0.79 in)</td>
<td>XLG3T6180SN</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>BROWN</td>
<td>40°</td>
<td>250 mm–infinity</td>
<td>(9.84 in–infinity)</td>
<td>XLG3T8440SF (2)</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>GREEN</td>
<td>80°</td>
<td>25–500 mm</td>
<td>(0.98–19.68 in)</td>
<td>XLG3T8480SG</td>
<td></td>
</tr>
<tr>
<td>SIDE</td>
<td>BLUE</td>
<td>120°</td>
<td>4–200 mm</td>
<td>(0.16–7.87 in)</td>
<td>XLG3T84120S</td>
<td></td>
</tr>
</tbody>
</table>

(1) FOV is specified diagonally.
(2) Indicates tips with maximum brightness.

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