

GE  
Sensing & Inspection Technologies

# XL Go™ VideoProbe®

## Remote Visual Inspection

### portavisibility

Redefine remote visual inspection with the new XL Go video borescope from GE Sensing & Inspection Technologies.

No cords, no boxes—just outstanding image quality in an incredibly rugged and portable package.



## Packed with Features

Portable, rugged and equipped with features that make GE video borescopes the best equipment valued in the industry.

- Intuitive, easy-to-use controls
- StereoProbe®, ShadowProbe® and Comparison defect measurement
- Servo motor All-Way® Probe articulation
- Sealed housings for Dust and Water ingress protection to IP55
- Integrated Temperature Warning system
- 1GB Internal Flash memory
- 2 USB® 2.0 ports, VGA video out
- Two- or four-hour Li-Ion battery
- Full tip optic interchangeability with secure double threads
- Custom shipping and storage case included with system

## True Portability

Powered by a long-running lithium ion battery, the XL Go™ VideoProbe® system provides inspectors unparalleled access without a bulky base unit, tethered scope or power cord. Weighing only 1.73 kg (3.8 lb), the XL Go VideoProbe system can easily “go anywhere.”



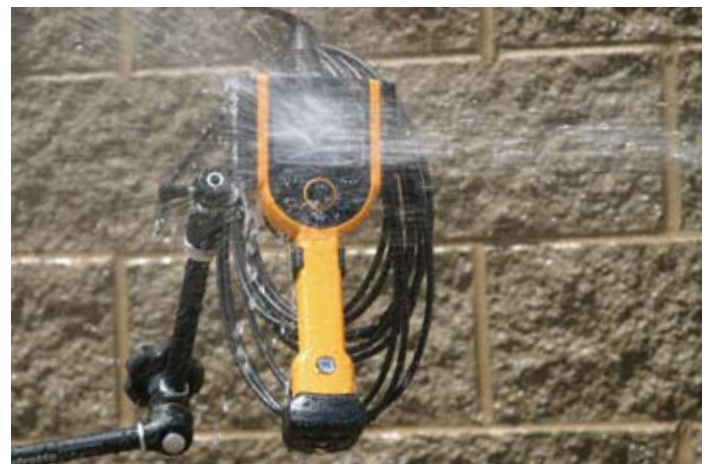
## Rugged and Reliable

XL Go is constructed with high impact strength polycarbonate housing designed to stand up to the harshest industrial environments. Tested to MIL-STD-810F standards and a battery of durability tests, the XL Go VideoProbe system is equipped for use in real-world applications.



## Image Quality

XL Go utilizes high-output LED illumination to display outstanding image quality on its full-VGA LCD. Save clear, accurate still images and motion video to the internal flash memory or removable USB ThumbDrive®.

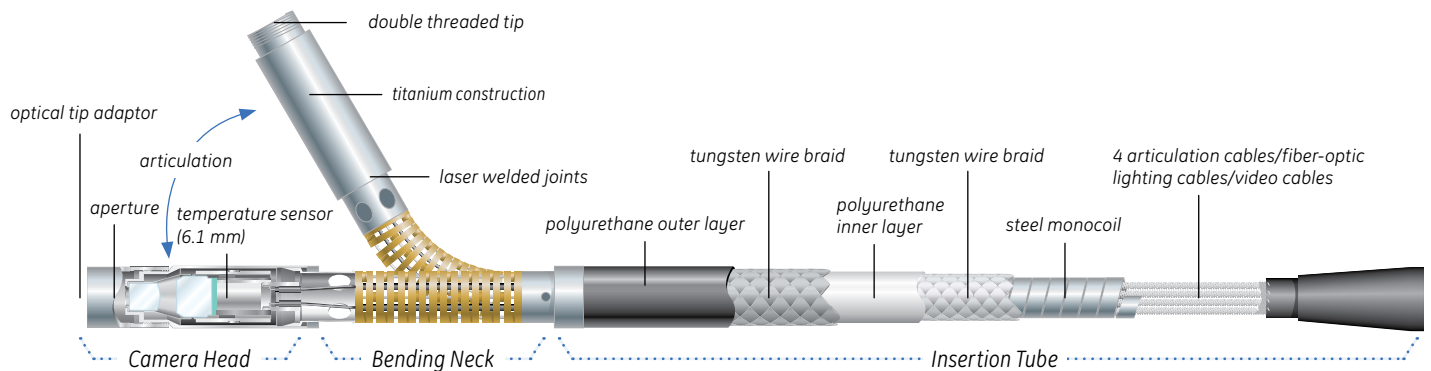


# System and Accessories

The XL Go™ VideoProbe® system is supplied in a convenient light-weight shipping/storage case. The case protects the system when not in use and keeps it organized when in use.



# Superior All-Way® Articulation, Durability and Probe Options



**Note:** Illustration is not drawn to scale.

CAMERA DIAMETER	INSERTION TUBE WORKING LENGTH			
6.1 mm (0.242 in)	2.0 m (6.6 ft)	3.0 m (9.8 ft)	6.0 m (19.7 ft)	8.0 m (26.2 ft)

# Technical Specifications

## Operating Environment

<b>Tip Operating Temp:</b>	-25°C to 80°C (-13°F to 176°F) Reduced articulation below 0°C (32°F)
<b>System Operating Temp:</b>	-20°C to 46°C (-4°F to 115°F) LCD requires warm-up period below 0°C (32°F)
<b>Storage Temperature:</b>	-25°C to 60°C (-13°F to 140°F)
<b>Relative Humidity:</b>	95% max, non-condensing
<b>Waterproof:</b>	Insertion tube and tip to 14.7 psi (1 bar, 10.2m of H <sub>2</sub> O, 33.5 ft of H <sub>2</sub> O)
<b>Hazardous Environments:</b>	Not rated for use in hazardous environments

## System

<b>Case Dimensions:</b>	48.8 x 38.6 x 18.5 cm (19.2 x 15.2 x 7.3 in)
<b>System Weight:</b>	
<b>In Case:</b>	6.5 kg (14.3 lb)
<b>Without Case:</b>	1.73 kg (3.8 lb)
<b>Power:</b>	7.2V, 5100 mAh or 10,200 mAh Battery Pack AC: 90-264 VAC, 47-63 Hz, <1.2Arms @ 90 VAC DC: 10.2V +5%/-3%, 4.9 A
<b>Construction:</b>	Polycarbonate housings with integrated Versalon™(JP) bumpers
<b>Dimensions:</b>	9.53 x 13.34 x 34.29 cm (3.75 x 5.25 x 13.50 in)
<b>LCD Monitor:</b>	Integrated 9.40 cm (3.70 in) active matrix VGA color LCD
<b>Joystick Control:</b>	360° All-Way® Tip articulation, Menu access and navigation
<b>Button Set:</b>	Access user functions, measurement and digital functions
<b>Audio:</b>	Integrated 2.5mm headset/microphone jack
<b>Internal Memory:</b>	1GB Flash memory
<b>Data I/O Ports:</b>	Two USB® 2.0 ports VGA Video Out
<b>Brightness Control:</b>	Auto and Variable
<b>Illumination Type:</b>	White LED
<b>Long Exposure:</b>	Up to 12 seconds via auto and manual mode
<b>White Balance:</b>	Factory default or user defined

## Standards Compliance and Classifications

<b>MIL-STD-810F:</b>	United States Department of Defense Environment Tests Sections 506.4, 507.4, 509.4, 510.4, 511.4, 514.5, 516.5, 521.2
<b>MIL-STD-461E:</b>	United States Department of Defense Electromagnetic Interference RS103
<b>Standards Compliance:</b>	Group 1, Class A: EN61326-1, EN55011 UL, IEC, EN CSA-C22.2:61010-1 UN/DOT T1-T8

## Camera

<b>6.1 mm (0.242 in.) Diameter Probes</b>	
<b>Image Sensor:</b>	1/6 inch Color SUPER HAD™ CCD camera
<b>Pixel Count:</b>	440,000 pixels
<b>Housing:</b>	Titanium

## Software

<b>Operating System:</b>	Real-time multi-tasking operating system
<b>User Interface:</b>	Simple drop-down menu-driven operation Menu navigation using articulation joystick Embedded file manager software supporting: File & Folder creation, naming, deleting Store to internal Flash (C:\) or USB ThumbDrive Copy between USB and C:\
<b>File Manager:</b>	PC compatible (.WAV) file format Invert, Zoom (5X digital) Image Capture and Recall Continuous (5.0X)
<b>Audio Data:</b>	Bitmap (.BMP), JPEG (.JPG)
<b>Image Control:</b>	Built-in full screen text overlay generator User placement of arrows "Steer & Stay" articulation lock/fine articulation Tip "Home" return to neutral forward-tip orientation User-selectable fine or coarse control Field updateable via USB ThumbDrive
<b>Digital Zoom:</b>	English, Spanish, French, German, Italian, Russian, Japanese, Korean, Portuguese, Chinese
<b>Image Formats:</b>	
<b>Text Annotation:</b>	
<b>Graphic Annotation:</b>	
<b>Articulation Control:</b>	
<b>Software Updates:</b>	
<b>Languages:</b>	

## Tip Articulation

Insertion Tube Length	Straight Tube	One Loop
≤ 4.5 m	Up/Down – 150° min, Left/Right – 150° min	Up/Down – 120° min, Left/Right – 120° min
6.0 m	Up/Down – 130° min, Left/Right – 130° min	Up/Down – 120° min, Left/Right – 120° min
8.0 m	Up/Down – 120° min, Left/Right – 120° min	Up/Down – 90° min, Left/Right – 90° min
9.6 m	Up/Down – 110° min, Left/Right – 110° min	Up/Down – 80° min, Left/Right – 80° min

**Note:** Typical articulation exceeds minimum specifications



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