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 make GE video borescopes the best equipment value 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 (3.80 lb), the XL Go VideoProbe system can easily "go anywhere."

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®.

Menu Directed Inspection (MDI)

MDI software automatically annotates saved images, intelligently names files and creates Microsoft Word® compatible inspection reports.
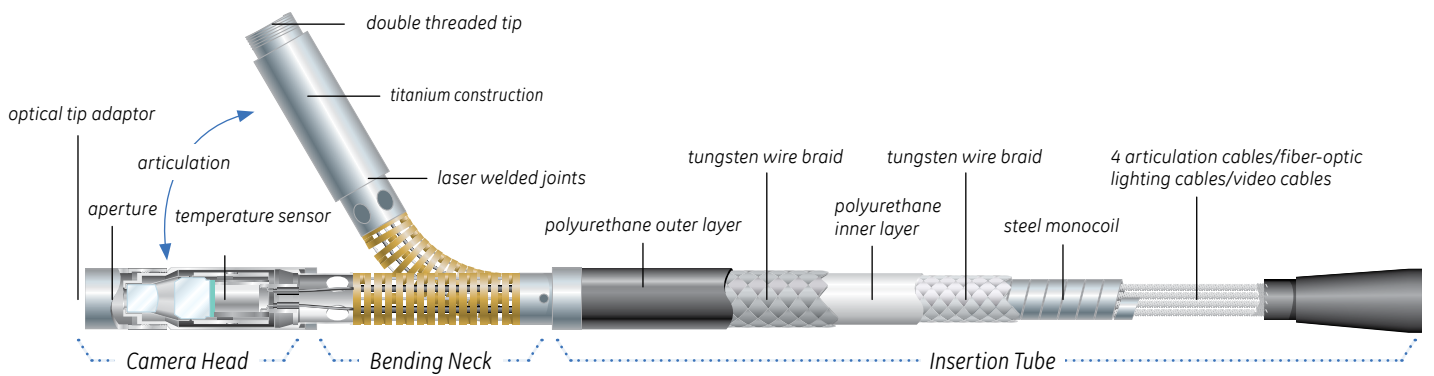
System and Accessories

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.

- operating manual
- rigidizer
- mini magic clamp
- hand-set holder
- ball joint
- optical tip case
- tube gripper
- 4GB ThumbDrive®
- standard shipping/storage case
- XL Go system with two-hour battery
- optional 4-hour battery
- AC battery charger

Superior All-Way® Articulation, Durability and Probe Options

- double threaded tip
- titanium construction
- laser welded joints
- optical tip adaptor
- articulation
- aperture
- temperature sensor
- tungsten wire braid
- tungsten wire braid
- 4 articulation cables/fiber-optic lighting cables/video cables
- polyurethane outer layer
- polyurethane inner layer
- steel monocoil

Camera Head · · · Bending Neck · · · Insertion Tube

Note: Illustration is not drawn to scale.

CAMERA DIAMETER	INSERTION TUBE WORKING LENGTH				
3.9 mm (0.154 in)	2.0 m (6.6 ft)	3.0 m (9.8 ft)			
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)	
8.4 mm (0.331 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)	9.6 m (31.5 ft)

Technical Specifications

Operating Environment

Tip Operating Temp:	-25°C to 80°C (-13°F to 176°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, 10.2m of H_2O, 33.5 ft of H_2O)
Hazardous Environments:	Not rated for use in hazardous environments

System

Case Dimensions:	48.8 × 38.6 × 18.5 cm (19.2 × 15.2 × 7.3 in)
System Weight:	
In Case:	6.50 kg (14.30 lb)
Without Case:	1.73 kg (3.80 lb)
Power:	8.4V, 43Wh and 86Wh Battery Pack
	AC: 90-264 Vac, 47-63Hz, <1.2Arms @90 Vac
	DC: 10.2V +5/-3%. 4.9A
Construction:	Polycarbonate housings with integrated Versalon™(JP) bumpers
Dimensions:	9.53 × 13.34 × 34.29 cm (3.75 × 5.25 × 13.50 in)
LCD Monitor:	Integrated 9.40 cm (3.70 in) active matrix VGA color LCD
Joystick Control:	360° All-Way® Tip articulation, Menu access and navigation
Button Set:	Access user functions, measurement and digital functions
Audio:	Integrated 2.5mm headset/microphone jack
Internal Memory:	1GB Flash memory
Data I/O Ports:	Two USB® 2.0 ports
	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

Standards Compliance and Classifications

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

Camera

6.1 mm (0.242 in) and 8.4 mm (0.331 in) Diameter Probes

Image Sensor:	1/6 inch Color SUPER HAD™ CCD camera
Pixel Count:	440,000 pixels
Housing:	Titanium

3.9 mm (0.154 in) Diameter Probes

Image Sensor:	1/10 inch Color SUPER HAD™ CCD camera
Pixel Count:	290,000 pixels
Housing:	Titanium

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:\
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
Graphic Annotation:	User placement of arrows
Articulation Control:	"Steer & Stay" articulation lock/fine articulation
	Tip "Home" return to neutral forward-tip orientation
	User-selectable fine or coarse control
Software Updates:	Field updateable via USB ThumbDrive
Languages:	English, Spanish, French, German, Italian, Russian, Japanese, Korean, Portuguese, Chinese

Tip Articulation

Insertion Tube Length	Straight Tube	One Loop
2.0 or 3.0 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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