

VIDEOPROBE® XLM

6mm diameter video probe



With Field-Proven ShadowProbe Measurement Technology

Accurate measurement is a necessity when making critical judgements based on the size of defects found during aircraft engine or turbine plant inspections. The Everest VIT 6mm VideoProbe® XLM allows you to easily inspect and accurately measure the size of a defect every time using the field-proven ShadowProbe®.

ShadowProbe technology determines precise tip-to-target distance and magnification of an object allowing the operator to perform accurate measurements. This precision, combined with the high-resolution imaging and portability of Everest VIT's VideoProbe XL make it a must for all inspection measurement needs.

Aircraft Engines

- Compressor or turbine blade dents and nicks
- Compressor blade tears
- Turbine blade burning, notch wear, and vane cracks
- Engine accessory drive gearboxes
- Foreign Object Damage

Gas Turbines

- Blade damage
- Cracks
- Combustion deposits
- Combustion chamber
- Nozzle guide vanes
- Foreign Object Damage

Features/Benefits

- Precise tip-to-target distance and magnification of an object for accurate measurements
- Video measurement capability for accurate documentation and reporting
- Make real-time decisions to lessen possible downtime or prevent unscheduled engine removal
- Visual depth helps interpret changes such as recesses, raised areas and slopes
- Forward-view and side-view inspections handled by one probe
- High magnification provides fine detail images for precise measurement
- Converts easily to standard non-measurement inspection probe by replacing measurement tip adapter with standard optical tip
- Clear, concise on-screen instructions ensure accurate repeatable measurements

The VideoProbe XLM includes the same high-resolution imaging and portability features of the standard 6mm VideoProbe XL.

- Crisp high-resolution video images for high-quality inspections
- Instant, cableless set up - plug it in and begin the inspection
- Simple joystick controlled all-way tip articulation for ease of operation
- Automatic "HOME" tip centering for easy navigation
- Steer-and-Stay articulation for simpler tip pointing
- Watertight to 30 foot depth
- High-resolution LCD integrated into handpiece for easy viewing
- Video documentation for reports and database storage
- Compact portability - everything fits into a single case with wheels and retractable handbar



Skewed Distance Measurement



Distance Measurement



Depth Measurement



www.everestvit.com

Service, Rental, Sales locations

Colorado
719•535•9400

Illinois
630•238•1100

Kentucky
502•423•7871

New Jersey
973•448•0077

North Carolina
704•391•2805

Texas
281•447•6770

Edmonton
780•430•9060

Toll Free
888•332•EVIT

Specifications

System

Power Requirement: AC Nominal Input: 100-240V; 50-400Hz; min. 90V, max. 250V
 DC Nominal Input: 12V; min. 11V, max. 14V, max. 10A
 (Accessory battery belt available)

Video Output: S-Video and Composite

Weight: With case: 15.9Kg (35 lbs)
 Without case: 7.7Kg (17 lbs)

Case Dimensions: 559mm (22in) x 559mm (22in) x 267mm (10.5in)

Operating Environment

System Operating Temperature: -4°F to 115°F (-20°C to 46°C)
LCD requires warm-up period below 32°F (0°C)

Tip Operating Temperature: -13°F to 176°F (-25°C to 80°C)
Reduced articulation below 32°F (0°C)

Storage Temperature: -13°F to 140°F (-25°C to 60°C)

Relative Humidity: 95%

Video Probe

Diameter: 6.1mm (.240in)

Lengths: 1.5m (4.9ft), 2.0m (6.6ft), 2.5m (8.2ft), 3.0m (9.8ft), 4.5m (14.9ft), 6.0m (19.8ft), 7.5m (24.8ft)

Tube Construction: Durable tungsten braid over stainless steel mono coil with layered urethane sealant

Tip Articulation: Up to 3m length: 150°
 4.5m and 6.0m length: 120°
 7.5m length: 90°

Watertight (tip/tube) to 14.7psig (~30ft depth)

Light Source/AMS Unit

Dimensions: 9.5" X 10.9" X 3.0"
 (24.1cm x 27.6cm x 7.6cm)

Lamp Output: 1850 lumens

Color Temp.: 5500°K

Lamp Life: 350 hours median

Monitor

Integrated 12.7cm (5.0in) active matrix TFT color LCD

Accessories

Rigidizer
 Tube Gripper
 Interchangeable Tip Optics
 JT8D Flying Guide Tube®

12V Battery Belt
 Magic Arm Kit
 Spare Lamp

Interchangeable Tip Adapters

Color Code	Field of View	Depth of Field	Magnification on	
			13" Monitor*	5" LCD*
White	50° Fwd	12mm-30mm (.6 in - 1.2 in)	30X	11X
Green	50° Side	12mm-35mm (.6 in - 1.4 in)	30X	11X
Blue	50° Side	7mm-24mm (.27 in - .94 in)	50X	19X

*Indicated magnification occurs at near side of tip Depth of Field (as close as good focus will allow). Magnification on other side monitors can be calculated by dividing the LCD magnification by 5 and then multiplying by the diagonal (in inches) of the other monitor



Tel: 973-448-0077 Fax: 973-448-0044
 199 Highway 206, Flanders, NJ 07836
 www.everestvit.com