

LEVIS-05

LEADING EDGE VISUAL INSPECTION SYSTEM



KEY FEATURES

- **BLISK & small blade edge inspection**
- **High magnification for small edges**
- **Excellent image quality**
- **Compact, ergonomic hand-held tool**
- **Operator display for detailed feature viewing**
- **Video recording for documenting & reporting**
- **Excellent for in-plant or in-field use**
- **Easy to use solution**

The Leading Edge Visual Inspection System (LEVIS) is designed for the purpose of inspecting blade integrated disks (BLISK) and other small fan blade leading edges for defects, damage or non-uniform profiles.



The manual inspection of BLISKS and other blade edges is critical to their performance and safety of the larger integrated solution.

The LEVIS is well suited for aiding inspectors and the skilled machinist to analyze blade edges during manufacturing, maintenance and reshaping.

A portable and easy to use solution, LEVIS is comprised of two main components, the handheld profiling tool and the recorder/display unit.

The handheld profiling tool is a compact device, ideal for single hand operation, and is capable of high magnification imaging of various blade thicknesses and lengths. Lightweight and easy to hold, the tool is unobtrusive and indispensable in the day-to-day work of blade edge quality inspection.

The recorder/display case has been designed to be used in a variety of situations such as in-plant inspection or for in-field use. Quick two button start/stop recording to flash media provides a digital record of the inspection and any issues. The large display provides easy viewing of very small artifacts and issues with the blade edge finish.

Capable of external AC or optional DC operation with internal battery option, the LEVIS is a truly portable, high resolution blade inspection system.



For more information contact:

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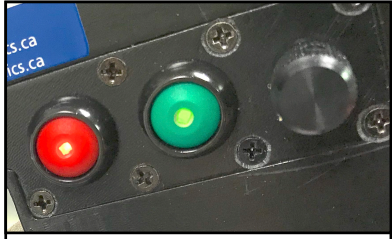
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SPECIFICATIONS

Handheld Profiling Tool v.05		Display (optional)	
Image Sensor Type	1/2.7" CMOS	Panel Size	17.3" Diagonal
Resolution	2.1MP (HD)	Type	LCD, LED Backlight
Pixels	1930 (H) x 1088 (V)	Resolution / Aspect Ratio	1920 x 1080 RGB / 16:9 HD
S/N Ratio	> 50dB	Viewing Angle	160° x 150°
Field of View (1x) (2x)	~ 5.27mm x 3.96mm ~ 2.64mm x 1.98mm	Input	HDMI (1080p/1080i/720p)
Depth of Field (1x) (2x)	0.88mm 0.27mm	General	
Profile Laser	Continuous, single mode, line	Operating Input Voltage	110~220VAC / 12VDC (±10%)
- Wavelength	635nm (red) or 520nm (green), ± 5nm	Operating Temperature	0°C ~ 40°C (32°F ~ 104°F) at less than 80% RH
- Stability	< 1%	Storage Temperature	-20°C ~ 50°C (-4°F ~ 120°F) at less than 80% RH
- Wavelength Drift	0.2mm / °C	Video Recorder	
- Optical Output Power	< 1mW	Media Type	Secure Digital High Capacity (SDHC), 133x, 32GB max.
- Class	Class II	Video Input	NTSC
Viewing Illuminator	LED, white	Video Compression	H.264/AVC, MPEG-4 part 10. Playable in QuickTime, VLC, etc.
- Luminous Intensity I _v	3000 mcd	Frame Resolution / Rate	NTSC, 720 x 488 / 30 fps

* Due to the ongoing improvements in sensor technology, specifications are subject to change without notice.

 <p>Compact guide head suitable for small fan assemblies.</p>	 <p>Quick connect interface cable.</p>	 <p>On-screen sensor configuration and image capture control (optional)</p>	 <p>Independent laser profile and white light illumination and intensity control.</p>
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LEVIS-05 System Options

- ERB16 Internal rechargeable LiON battery, 12VDC, 16A
- GSO Dimensional scale overlay function
- Display In-case or external video output display options

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