

## Visual Inspection and Documentation of Fluid Film Bearing Defects

Inspection of defects found on the inner surface of Fluid Film Bearings has never been easier or more affordable than with the new HandiScope™ hand-held portable microscope. The HandiScope™ enables a close-up inspection with 20x/50x selectable magnification lens. The video output allows for real time viewing on a TV or LCD projector.

The image can be “freeze framed” on the monitor for closer inspection or for discussions with quality control personnel, technicians or during a training class. For documentation purposes the images can be downloaded and stored using the optional PC interface kit. The HandiScope™ is not intended to replace Ultrasonic testing; it gives the user the flexibility to examine the metal at any stage in the repair process.

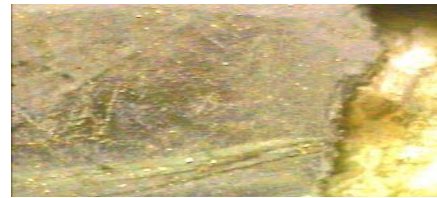
The small size and portability of the unit means that you can take the microscope to where it is needed.

### Applications:

- Large Steam Turbine Bearings
- Crusher and Trunion Bearings
- Hydroelectric Guide Bearings
- Fan, Motor and Pump Bearings
- Hydrogen seals
- R&D
- Training
- Field Service



Damaged Bearing 20x



Damaged Bearing 50x

### Specifications:

Image Capture Element: 1/4" CCD with Complimentary Color Filter

Total Image Element: 811(H) x 507(W)

Refresh Rate: 30 Frames/second

Magnification: 20x/50x Selectable

Viewing Area (mm): 14x10.5/6x4.5

Lighting: Internally Contained, 8 White LEDs

Focus Distance: 0mm (contact) or 26mm (non-contact)

Output: Standard NTSC, VBS IV[p-p]/75 ohm

Interface: Standard RCA

Power Supply: 5V, 3A output

90-250 V, 50-60Hz AC Input

Dimensions: Approx. 9 inches long x 2 inches diameter

Weight: Approx. 0.5 pounds

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