



# SS INSTRUMENTS

MANUFACTURERS OF TEST AND MEASURING EQUIPMENTS

# 96, 4TH CROSS, 2ND MAIN, INDUSTRIAL LANE, NEAR SAI MANDIRA, KAMAKSHIPALYA, BANGALORE 560079

## Industrial Videoscopes & Borescopes

### ADVANCED VISUAL INSPECTION SOLUTIONS

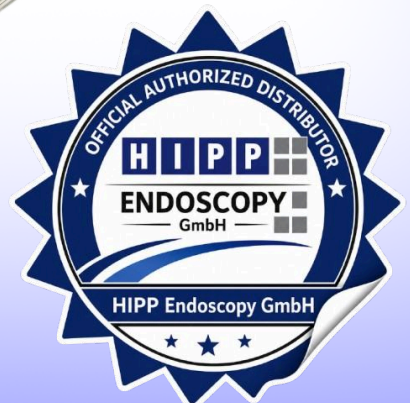
Precision-engineered inspection systems for non-destructive testing, maintenance diagnostics, and industrial quality control.

#### Videoscope

- 1. Flexible or rigid insertion tube: Equipped with a camera and light on the tip, allowing for 360° visualization.
- 2. Real-time video feed: Displays images on a monitor, enabling users to inspect and record findings.
- 3. Illumination: Typically LED lights, providing clear visibility in dark areas.
- 4. Articulation: Some videoscopes have articulating tips, allowing for directional control and easier navigation.

#### Borescope

- 1. Rigid or flexible probe: A thin, tubular insertion tube with a camera and light on the tip.
- 2. Eyepiece or video output: Allows users to visually inspect areas, with some models offering video output for recording or display on a monitor.
- 3. Illumination: Often uses LED lights or fiber optic illumination to provide clear visibility.
- 4. Length and diameter: Available in various lengths and diameters to accommodate different inspection applications.



## Key Differences

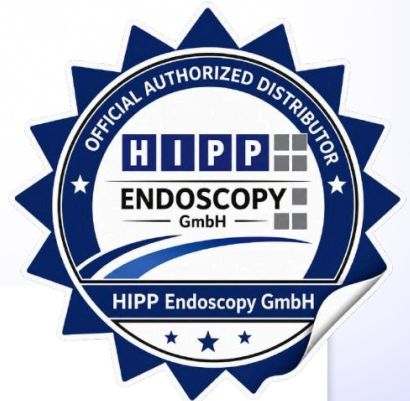
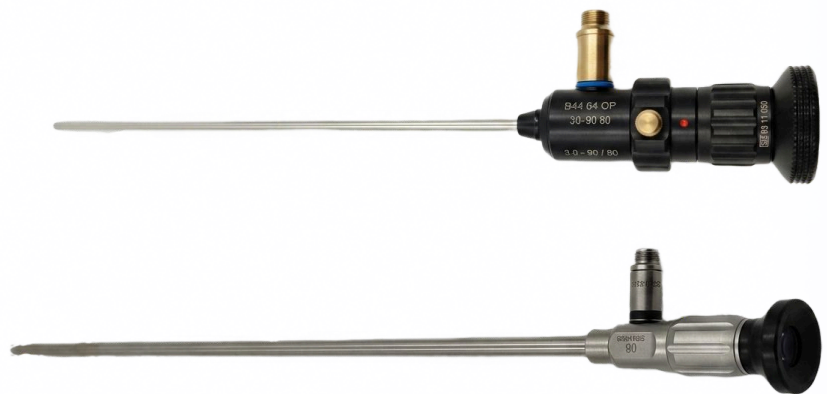
1. **Flexibility:** Videoscopes often have flexible insertion tubes, while borescopes may have rigid or flexible probes.
2. **Articulation:** Videoscopes typically offer articulating tips, whereas borescopes usually do not.
3. **Video output:** Videoscopes generally provide real-time video output, while borescopes may only offer an eyepiece for direct visual inspection.

## Applications

1. **Aerospace:** Inspecting aircraft engines, fuel tanks, and other hard-to-reach areas.
2. **Automotive:** Examining engine components, fuel systems, and other internal mechanisms.
3. **Industrial:** Inspecting pipes, tanks, and other equipment in various industries, such as oil and gas, chemical processing, and power generation.
4. **Medical:** Using specialized videoscopes and borescopes for minimally invasive medical procedures.

## Benefits

1. **Reduced downtime:** Faster inspections minimize equipment downtime.
2. **Increased safety:** Remote visual inspection reduces the risk of injury or exposure to hazardous environments.
3. **Improved accuracy:** High-quality images and video enable more accurate assessments and diagnoses.
4. **Cost savings:** Non-destructive testing reduces the need for costly repairs or replacements.



## Contact Information

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