

24AK Industrial Flexible Fiberscopes



Industrial Flexible Fiberscopes allow users to view inside engines and other limited-access areas without major disassembly, damage or harm to the operator. Inspections are usually performed to detect anomalies and defects like degradation, deposits, erosion, corrosion, cracking, blockages and foreign-object damage. 24AK Fiberscopes are extensively used for **Automotive** applications, like the inspection of engine castings, cylinder bores, gearboxes and vehicle bodies. 24AK Fiberscopes have also been used cost effectively in many other areas of industry including:

- Aviation & Aerospace
- Process
- Building & Construction
- Engineering & Manufacturing
- Power Generation
- Research & Education

Two Models

The 24AK is available in two models, one with two-way tip articulation and one without.

Essential Parameters

	24AK	24AK-AS
Diameter	8.0mm (0.315 in)	8.0mm (0.315 in)
Working Length	660mm (2.2 ft)	660mm (2.2 ft)
Articulation	None	2-way 120°
Side View Tip	90° Mirror Tip	None

Optical

Direction of View (DOV)	0° Forward
Field of View (FOV)	55°
Depth of Field (DOF)	5mm (.197 in) - 100mm (3.94 in)
Resolution	8,000 Pixels
Eyepiece Magnification	25X

Light Source

The light source for 24AK Fiberscopes is a purpose built, powerful and portable 75W Tungsten Halogen unit. This light source has a fast release, snap tight lock for the light guide cable and a practical light intensity shutter.



Mechanical

Insertion Tube Sheathing	Stainless Steel Gooseneck
Insertion Tube Bend Radius	31mm (1.22 in)
Light Guide Cable Plug	IT Concepts
Handpiece	Sturdy Aluminum

Power Options

Option 1	Option 2	Option 3	Option 4
AC 100/110V to 220/240V	DC (Car Battery) - Light source to battery cable with crocodile clips. Ideal for under the car hood tasks.	DC (Lead Acid Battery Pack) - Connects securely to the light source and has a 40-60 minutes run time.	DC (Nickel Cadmium Battery Pack) - The lightest weight portable, go anywhere option provides power for 40-60 minutes.

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IT Concepts offers an extensive selection of accessories and peripheral equipment for use with industrial Fiberscopes.

