

Pipe Borescope

Multi-use



NEW from Ratech this hand-held unit provides TV video and AVI output and comes with an integrated 2.4" color LCD and an AVI output for visual display. It can also be extended by using 3M metal probe extensions without comprising the quality of the images produced. It still has the 10mm head to get into smaller areas.

The water resistant Video Borescope is a very handy pipeline inspection tool that helps you to search inside hard to see places. The flexible video borescope comes with 2.4" color display screen system with 320x234 resolution, built-in adjustable 2 LED lights at the end to illuminate objects and has glare-free close-up & a wide range field of view.

The optimized illuminant design can illuminate/light every crack and burning mark on a high reflective surface and helps you see in darkened areas. It also aids in illuminating the picture for the integrated camera. The flexible gooseneck retains a configured shape for inspecting hard-to-reach areas and the shaft can be exposed to water.

Accessories such as a mirror tip is included for viewing within 54° angle. A strong magnetic tip allows you to pickup nuts, bolts and screws you may have dropped in inaccessible places. Easy clip-on design for fast installation. Hook tip, J-shaped extension are used to tug, pull or pick up small objects or wires.

Pipe Borescope

Specifications

Features

- NTSC TV video AVI output with video wire
- F2.8 Lens with 54° Viewable Angle and 3-6cm focal distance
- 2.4" TFT LCD Color Monitor with 320x234 pixels resolution
- TV Video output
- Glare-free close-ups and wide range field of view
- 6.8mm PE covered metal probe with ABS handle
- Water resistant Camera Head
- 2 white LED lights with brightness control
- High resolution image, optical system, stable performance and easy to operate
- Picture vertical mirror/normal function, allows 180° image rotation
- High visibility color LCD display
- Built-in high power adjustable LED's light
- Ergonomic design
- Fit for hard-to-reach distance inspection
- Shaft can be exposed to water, IP67 water level
- With Protective Rubber Housing (serves as shock absorber when accidentally dropped)
- With CE marking, meets EU safety, health & environmental requirements

Applications

- Pipe Inspection field, plumbers, drain cleaners
- Automobile field: check engine, oil pressure, spray, etc.
- Industrial field: check boiler, heat exchanger & industrial machinery, etc.
- Petrochemical field: check process pipe & petrochemical machinery
- Electric field: check equipment, conduct R&D, vessel & engine circuitry, etc.
- Gas pipe: check rust, corrosion, cracking, etc.
- Building Construction & Home inspection: Inspect in walls for mold, insect infestation, electrical wire or water pipe location
- Pest Control: Inspect for termites in wall cavities
- HVAC: Inspect inside ducts, behind motors and compressors
- Automotive: View inside or around engines and transmissions
- Government: Safety and security inspections
- Industrial: Inspect weld integrity, process equipment, gears, molding machines
- Aerospace: Aircraft inspections for contamination, debris, cracks or other damage

Optional Equipment

- 3M Metal Probe Extension

Warranty

One year parts and labor against defects in manufacturing. System must be returned to factory for warranty repairs. Damage caused by user or carrier will not be covered under Ratech's standard warranty.



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Ratech Electronics Distributors and Warehouses are located in Canada, U.S.A., Europe and Australia.

Specifications subject to change without notice.

- LCD: 2.4 inch TFT Color screen with 320x234 resolution
- Lens sens resolution: 320x234 pixels
- Sensitivity: 0.7V (Lux.sec)
- CMOS Sensor
- Color Mosaic: RGB Bayer Pattern
- Auto white comparison & exposure to light
- Video Format: NTSC composite video
- Handle End AVI Port: NTSC Signal Out
- Level of Resistant: IP67
- Camera:
 - Lens: F# 2.8
 - Lens Coverage: 54°
 - Focus: 3-6cm
 - Outer diameter: 10mm
 - IP 67 water resistant
- Probe:
 - Metal Tube Length: 88.0 ±2.0cm
 - Diameter of hard tube: 6.8mm
 - Minimum Bending Radius: 4.5cm
- Operation Temperature: 0-45°C
- Body Size (LxWxH): 81 x 75 x 62mm
- Handle Length: 11.5cm
- Power: 4 x 1.5V AA batteries
- Power Consumption: 200mA
- TV Cable Length: Approx. 1.5M
- Weight: approx. 370gm (excluding accessories)

Accessories Included:

- 1 Handy Carrying case
- 1 x Standard 1-meter Probe
- 1 x Magnetic Tip
- 1 x Hook Tip
- 1 x Mirror Tip
- 1 x Video cable
- 4 x 1.5V AA Alkaline Batteries
- Standard Factory Package
- Instruction manual



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Video Pipeline Inspection Systems