

Industrial Endoscopes Fiberscopes & Borescopes

Light Scope/Bore Scope

NEW

Testing and visual inspection for automobiles, industrial machinery, gas, air and spacecraft, petrochemical plants, and vessels.



Light Scope

Built-in light source for ease of portability!



Main Features

- Diameter of 8mm at tip of insertion end, and 10mm with side view adapter attached allow you to get into tight locations.
- Effective length of 1,000~3,000mm allows visual inspection of far-back locations.
- Water-resistant cable removes worries about getting cable wet.
- Adjust focus distance from infinity to 10mm.

19,000 Lux
(6 times brighter than standard Moritex model)
Viewing angle: 27°

Main Applications

- | | |
|--|--|
| Automobiles Engines, transmissions, differentials, air conditioners | Sewers Inside pipes, toilet clogs, other plumbing problems |
| Industrial Machinery Engines, transmissions, inside hydraulic pipes | Petrochemical Plants Process plumbing, water supply pipes, pressure storage tanks |
| Gas Inside pipes and exhaust openings | Vessels Boiler interiors, turbine interiors, diesel engines |
| Air & Spacecraft Turbine blades, combustion chamber interiors, rocket engines | |

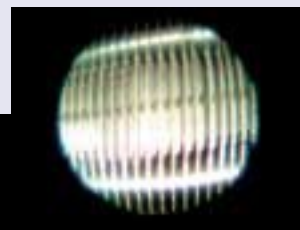
Sample Uses

Visual inspection of automobile engine interior

Scope used: MSGI-1350III

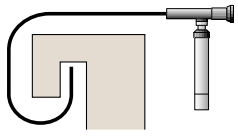
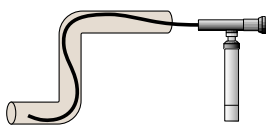


▲Piston

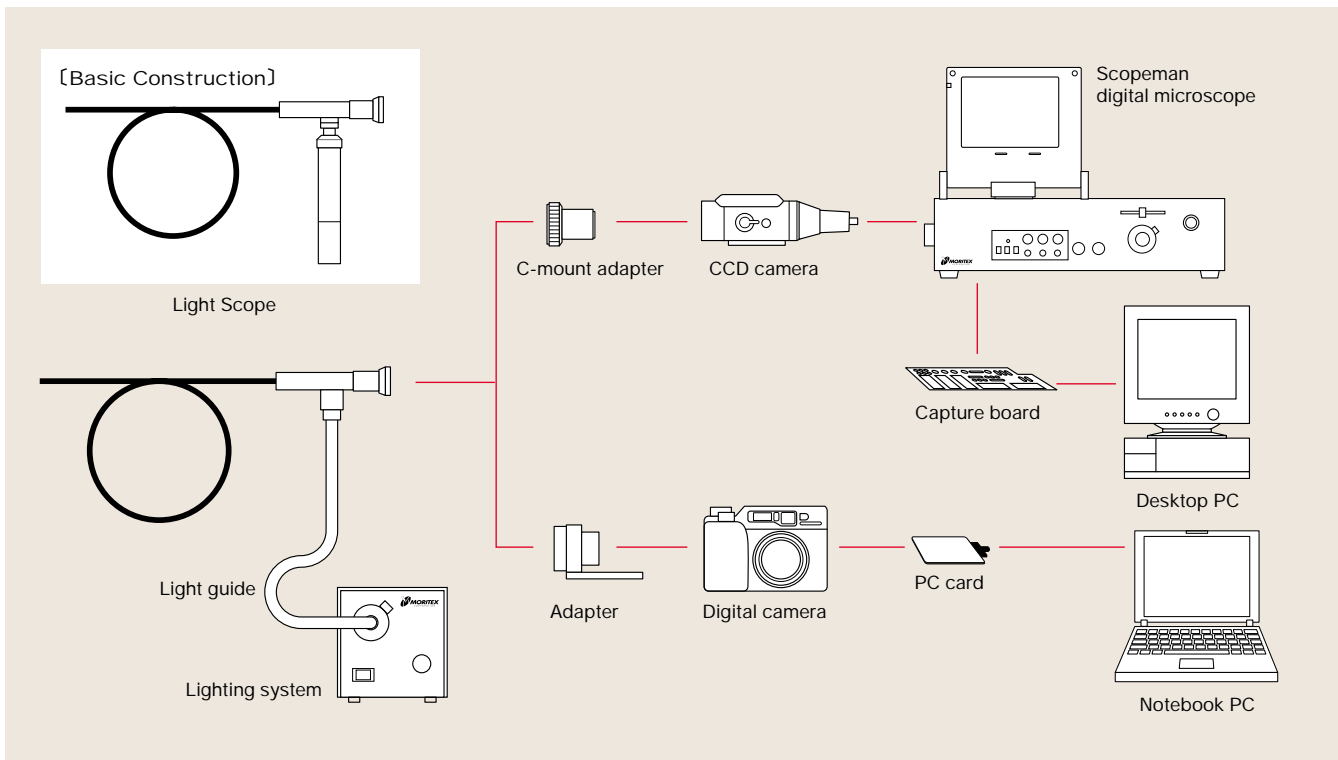


▲AC evaporator

All digital – view, capture, and record crisp images

Interlock Type		Flexible Type	
<p>MSPI-1000 III MSPI-2000 III MSPI-3000 III MSGI-1350 III (Glass Fiber)</p>	<p>Maintains any curve state</p>	<p>MSPS-1000 III MSPS-2000 III MSPS-3000 III MSGS-1350 III (Glass Fiber)</p>	<p>Flexibility for insertion in pipes and other locations</p>

System Flow



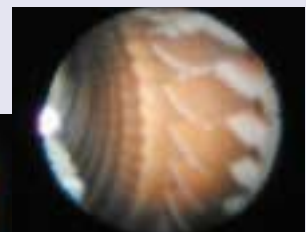
Inspection of helicopter engine interior

Light and portable, easy to reach tight locations.

Scope used: MSPI-1000 III



▲Rotor




▲Stator

Wide selection for wide range of applications

Specifications

Scope	Type	Interlock Type (Maintains any curve state)				Flexible Type (Flexibility for insertion down pipe shapes)			
	Fiber Material	Plastic			Glass	Plastic			Glass
	Model	MSPI-1000Ⅲ	MSPI-2000Ⅲ	MSPI-3000Ⅲ	MSGI-1350Ⅲ	MSPS-1000Ⅲ	MSPS-2000Ⅲ	MSPS-3000Ⅲ	MSGS-1350Ⅲ
Image Fiber	Pixels	3,500			10,000	3,500			10,000
	Line Bore	35μm			—	35μm			—
Light Source	Lamp	3.5V 0.7A 2.55W							
	Power	Two AA dry-cell batteries (sold separately) [Provides continuous light for 3 hours (when alkaline batteries used)]							
Optical System	View	Direct (side view optional)							
	View Angle	27°							
	Focal Distance	10mm~infinity							
	Waterproofing	Cable waterproofed to 1~1.3 atmospheres (1013~1317hPa)							
	Working Temperature	-20°C~+60°C							
Cable	Material	SUS interlock + PVC cover				SUS flexible + PVC cover			
	Minimum Bend Radius	100mm				40mm			
	Effective Length (Water-resistant case supplied)	1000mm	2000mm	3000mm	1350mm	1000mm	2000mm	3000mm	1350mm

Note: Specifications and appearance may be modified without notice in order to implement improvements.

 Not for medical applications

Standard Package



Scope & Hard Case
For scope protection & portability

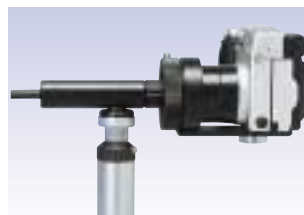


Battery Handle Lighting

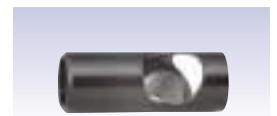
Optional Accessories



Light Guide
Effectively send light from lighting system to scope (flexible type)



Digital Camera Adapter
Adapter for attaching digital camera



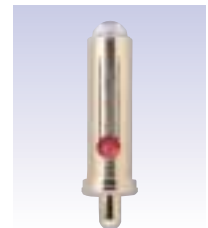
Side View Adapter (90°)
View pipe inner walls & other surfaces



Lighting System
Bright, stable light source in compact design



C-mount Adapter
Adapter for attaching CCD camera. Connect camera and lightscope to view images



Valve
3.5V 0.7A 2.55W