

iFlex Fiberscope



The ergonomic formed handpiece allows right and left-handed people an comfortable, non-fatigue and precise one-hand operation. The probe tip is articulated with control levers, which conveys each movement- instantaneously, precise and directly. Every contact that is made in the inspection object can be felt. The iFlex Industrial Fiberscope does not need a locking device, this reduces the damages and avoids unnecessary repair costs. The extremely durable and pliable articulation section ensures that the video endoscope is very precise in control and provides

Visualisation

iFlex Industrial Fiberscopes contain an optical- image guide made of highly flexible, thin and parallel single fibres.

This assures sharp and high-resolution pictures with high colour fidelity for professional inspections.

A focusable ocular adjusts the optic system to the visual acuity of the viewer with adjustable diopter & objective focus.

Additional to the direct view objective, a side view tip adapter can be provided.

Illumination

The integrated fibre light guide with high light transmission and the low loss light coupling between the light sources and the light guide adaptor results into provides extremely bright object illumination through Light Guide Bundle.

For optimal results it is recommended to use JSC IT Concepts Illumination Accessories as light guide adaptors, light guide cables, light source adaptor and light sources.

Documentation

The focusable 32mm standard DIN eyepiece opens a verity of different

-documentation options. Inspection images can be used for reports or archiving. For this purpose, we recommend camera adaptors, CCD colour video camera, dis- plays, monitors and documentation hubs from the accessories program from JSC IT Concepts.

8.0mm	Length	Articulation*	DoV	FoV	DoF	Pixel	Braid
8.0mm	1.0m	4-way ±100° L/R - 160° UP - 130° DW	0°	60°	50mm-∞	16000	Tungsten
8.0mm	1.5m	4-way ±100° L/R - 160° UP - 130° DW	0°	60°	50mm-∞	16000	Tungsten
8.0mm	2.0m	4-way ±100° L/R - 160° UP - 130° DW	0°	60°	50mm-∞	16000	Tungsten
8.0mm	3.0m	4-way ±100° L/R - 160° UP - 130° DW	0°	60°	50mm-∞	16000	Tungsten

Operating Environment	
Operating Temperature:	-10°C to +80°C
Operating Pressure:	1 bar-1.2 bar
Resistance:	Probe and Distal end to Gasoline, Machine Oil and Salt water (5%)
Relative Luminance :	1
Illumination type:	Through Light Guide Bundle

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