

ATMOS® Scope

ATMOS® Scope Basic

The revolution in flexible endoscopy and stroboscopy



ATMOS

The innovative ATM
ergonomics meets

OS[®] Scope - integration

ATMOS[®] Scope is a revolutionary way of flexible endoscopy / stroboscopy based on the special new shape of the handle. The innovative ergonomic handle of the ATMOS[®] Scope allows more comfortable holding and simplifies the application at the patient.

An ergonomic handle and flexible integration possibilities simplify your daily working routine.

As an all-in-one-solution, the ATMOS[®] Scope integrates the individual components LED light source, camera and microphone into the flexible endoscope.

The ATMOS[®] Scope also fits perfectly together with the visualisation solutions on ATMOS ENT-treatment units.

Integration into ATMOS treatment units

ATMOS® Scope fits perfectly into ATMOS treatment units. Networking with the ATMOS® Cam, the ATMOS® Strobo 21 LED and a video monitor is always possible. Images and videos can be saved with the ATMOSoft ENT software. Economic maintenance service: ATMOS offers an annual maintenance service for all ENT devices. Economic, quick and reliable.

All-in-one handle

In the handle, there are:

- an LED light source
- a microphone pre-amplifier and removable microphone
- camera electronics
- mechanics for controlling the angle

A trend-setting handle

The innovatively-shaped handle of the ATMOS® Scope embodies an entirely new way of performing endoscopy / stroboscopy, allowing insertion of the probe without any problems and examination of ear, nose, pharynx and larynx without any signs of fatigue.

Simple handling

Thanks to optimised video pre-settings, camera setting and white balance are no longer required. The device automatically switches to the desired stroboscopy mode.

Keys for:

- Start-stop of the video recording
- Saving single images is possible in connection with the ATMOSoft ENT software



Integrated microphone for stroboscopy (optional)

in connection with the ATMOS® Strobo 21 LED. The microphone is integrated into the ATMOS® Scope handle. It can be easily removed for cleaning and can be put back just as easily. As soon as the patient starts with phonation the ATMOS® Scope detects this and switches automatically to stroboscopy mode. The voice frequency is indicated on the monitor.

Homogeneous light

An integrated LED system provides bright and homogeneous light. Changing light bulbs and conductors is thus rendered unnecessary. Further information on the ATMOS LED technology can be found in our separate flyer.



Chip-on-the-tip technology

ATMOS® Scope is ATMOS MedizinTechnik's first flexible full-format endoscope with chip-on-the-tip-technology. The result: wide-angle images in very high quality.



ATMOS® Scope Basic - the small difference

Due to its simplified functions the ATMOS® Scope Basic is the ideal device for beginners in flexible video endoscopy. All necessary functions for endoscopy are bundled with an outstanding image quality and ergonomics. Enjoy the advantage of having only one necessary optic which you can apply in the complete ENT range. With the ATMOS® Scope Basic it is possible to perform examinations not only in the oral cavity but also in the auditory canal and the nasal cavities.

Thus you reduce the necessary equipment, decrease cleaning times and increase the quality of your diagnoses at the same time, which leads to an all-round optimisation of your workflows.

	ATMOS® Scope	ATMOS® Scope Basic
Application	ENT endoscopy Swallowing diagnostics Stroboscopy	ENT endoscopy Swallowing diagnostics -
Stroboscopy function	yes with ATMOS® Strobo 21 LED	no (cannot be retrofitted)
Scope of supply	ATMOS® Scope handle Controller Stroboscopy cable Microphone Leakage control Remote cable for ATMOSoft Aluminium case	ATMOS® Scope handle Controller - - Leakage control Remote cable for ATMOSoft Cardboard case



Technical data

Light	
LED light	integrated
Optic system	
Image sensor	1/18» CMOS
Image resolution (lines)	328 (H) x 250 (V) NTSC
Field of vision / angle of view	85°
Viewing direction	0°
Depth of sharpness range	6 – 60 mm
Insertion tube	
External diameter (distal)	3,8 mm
Material	synthetic tube material
Working length	300 mm
Angle	
Angulation angle	2 x 160°
Camera control unit	
Controls output	2 x Video (CVBS) 1 x USB interface for stroboscope
Housing	
Made from durable, resilient aluminium with high-quality medical coating.	
Cleansing	
To be immersed, suited for washing machines as well as STERRAD® sterilisation, 100 % waterproof.	





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