



Committing to the future

testo 319

Guaranteed vision



# Documentation



For displaying, documentation and communication, a mobile phone adapter for the Nokia 6600 is available, as well as an MDA adapter for the MDA VPA compact.

The adapter is simply screwed on in place of the focussing ring.

## Applications:

- Documentation of photo evidence for warranty purposes
- Secure technology: record evidence on site and send photos, e.g. to experts at the factory





# The benefits of seeing more

The flexible glass-fiber scope testo 319 allows easy visual checks in hard-to-access places such as air conditioning ducts, ventilation systems, machines and motors etc.. Such diagnoses as corrosion, wear, the condition of welded joints, loose parts and much more can be made very early, very quickly and easily with the use of the fiberscope. This lowers costs and can prevent complicated repairs.

The flexible testo 319 can be inserted into hollow spaces, bores and around bends.

Focus adjustment is carried out with the help of the focussing ring. The defective part can thus be examined without being dismantled.

The testo 319 is very robust, ergonomically designed and handy. The excellent optics, 6,000 pixels with a field of vision of 50° and an illumination that covers the entire field of vision, distinguish the fiberscope.

The lens and the tube are waterproof, and can even be immersed in oil and gasoline for short periods.

A particular feature of the testo 319 is its easy adaptation to the demands of different applications: Whether highly flexible with a bend radius of only 50 mm, with medium flexibility or highly rigid - with different push-on covers, the range of possibilities for use is extraordinarily broad compared to conventional fiberscopes.



## Optics:

- 6,000 pixels
- optical field of vision: 50°
- object focus already from 15 mm
- fiber optic illumination field of vision: 50° (covers the entire field of vision!)

## LED lamp:

- considerably longer lamp life (typically 50,000 h) than with halogen lamps (approx. 400 h)
- lower current consumption
- better contrast with blue light

Highest versatility with small bend radius (50 mm) and small diameter (6 mm).



Clip-on mirror attachment 45° for varying the direction of view and clip-on magnet attachment for removing small metal objects.

Glass fiber: Fiber thickness 20 A.



Checking in an air conditioning duct with gooseneck covering, medium flexibility.



Gooseneck covering for use in areas in which medium flexibility is required.

Dioptre adjustment possible with focussing ring

Checking insulation using the inherent stability of the decabon tube





The different coverings are simply pushed on and pressed tight



Stable decarbon tube for applications in which a high level of rigidity is required.



Two-channel hose:

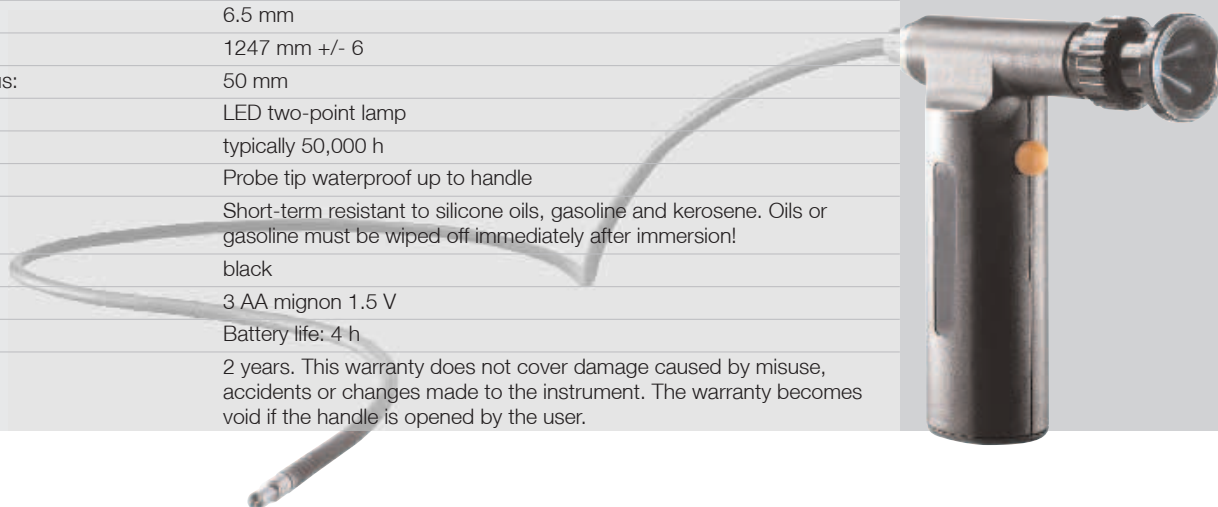
- One channel for the fiberscope
- One further channel allows the introduction of ancillary tools, e.g. the 3-arm gripper for gripping/removing small parts, dirt or dust particles

3-arm gripper:  
With the handy 3-arm gripper, dust particles or small objects can be removed with ease.



## Technical data

Number of pixels:	6,000
Fiber optical illumination field of vision:	50°
Angle field of vision:	45° +/- 5°
Min. focus distance:	15 mm (focus)
Max. focus distance:	150 mm (light)
Operating and storage temperature:	-20° to +60°C
Working temperature probe:	-20° to +80°C
Probe diameter:	6.5 mm
Probe length:	1247 mm +/- 6
Max. bend radius:	50 mm
Light source:	LED two-point lamp
Lamp life:	typically 50,000 h
Probe durability:	Probe tip waterproof up to handle Short-term resistant to silicone oils, gasoline and kerosene. Oils or gasoline must be wiped off immediately after immersion!
Housing:	black
Battery type:	3 AA mignon 1.5 V
	Battery life: 4 h
Warranty:	2 years. This warranty does not cover damage caused by misuse, accidents or changes made to the instrument. The warranty becomes void if the handle is opened by the user.



## Fax Order Form

Qty.	Item	Part no.	
	Fiberscope set, consisting of fiberscope testo 319, gooseneck tube, magnet and mirror attachments, bag	0563 3191	
	Fiberscope testo 319	0632 3191	
	Flexible push-on gooseneck tube,	0554 3196	
	Decabon push-on tube,	0554 3191	
	Two-channel push-on hose,	0554 3190	
	Magnet attachment	0554 3195	
	Mirror attachment 45° angle,	0554 3194	
	Temperature probe for two-channel hose	0554 3193	
	3-arm gripper, for two-channel hose	0554 3192	
	Adapter for mobile phone Nokia 6600	0554 3197	
	Adapter for MDA VPA compact	0554 3198	
	Bag for basic set testo 319, gooseneck tube, magnet and mirror attachment	0516 3192	
	Case for testo 319 and complete accessories	0516 3191	

### Sender

Name

Company

Department

Address

City

Date, Signature