



Committing to the future

testo 319

Fibreoptic Visual Inspection Tool



Applications:

- Inspection of heat exchangers
- Rotor blade inspection in jet engines
- Cavity wall inspection in buildings
- Searching for lost items in machines
- Refrigerant leak detection

Benefits:

- Waterproof lens and tube
- Quick diagnosis of maintenance and repair problems
- Saves time and lowers costs
- 50mm bend radius
- Only 6mm diameter

A Clear Vision

The flexible Testo 319 fibrescope 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 early, quickly and easily with the use of the fibrescope. 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 and ergonomically designed. The instrument features excellent optics - 6,000 pixels with a field of vision of 50° and an illumination that covers the entire field of vision.

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 fibrescopes.



Optics:

- 6,000 pixels
- optical field of vision: 50°
- object focus already from 15 mm
- fiberoptic 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

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



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

Dioptr adjustment with focussing ring

Gooseneck in which n





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



The different coverings are simply pushed on and pressed tight

Black covering for use in areas where medium flexibility is required.

possible



Checking insulation using the inherent stability of the decabon tube



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

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



Two-channel hose:
• One channel for the fibrescope
• One further channel allows the introduction of ancillary tools, e.g. the 3-arm gripper and the temperature probe.

Technical data

Number of pixels:	6,000
Fibre 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
Min. 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: Fax to 01420 544 434

Qty.	Item	Part no.	
	Fibrescope set, consisting of fibrescope Testo 319, gooseneck tube, magnet and mirror attachments, bag	0563 3191	
	Fibrescope 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	
	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

Job Title

Address

Telephone Number

Date, Signature

Contact details

testo Ltd
Newman Lane
Alton
Hampshire
GU34 2QJ

Tel: 01420 544 433
Fax: 01420 544 434
Email: info@testo.co.uk
Internet: www.testo.co.uk