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ООО "Энерджи Девелопмент"

Automotive videoendoscope COANTEC ME+



COANTEC ME+

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Features

- Industrial HD resolution high definition industrial video camera
- The large bend angle of the probe provides for comfortable inspection of the valves
- Highly adaptable to the application environment - oil resistant version
- Connection to a large external screen for easy diagnostics
- Easy to work with, reliable and economical



Industrial HD video camera with 1 megapixel resolution

The COANTEC ME+ automotive endoscope features a 3.5" high-definition display and a 1 megapixel industrial video camera. The image of objects is clear and smooth, the colors are more vivid, the user can effectively inspect the actual state of the internal surface of objects. Photos are saved in BMP format without loss of image quality. Users can get high quality photos and dynamic video files.



Photo of the vehicle's three-way catalytic converter



Photo taken inside the vehicle injector

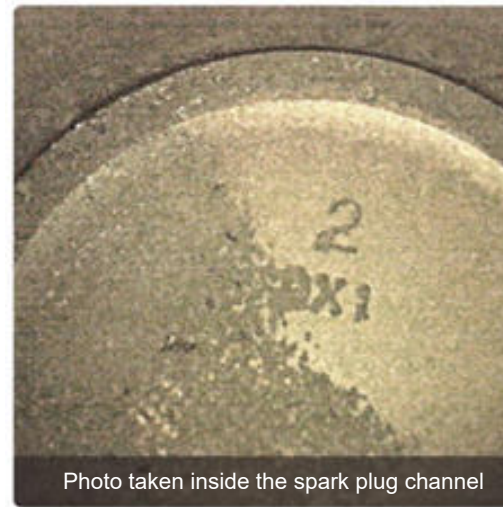


Photo taken inside the spark plug channel



The large bend angle of the probe provides for comfortable inspection of the valves

The probe design features precision-made, rotatable parts and a minimum bending angle of 180°, providing for a wide angle of view. When inspecting an automobile engine, the valves can be viewed without having to turn the unit.



Photo taken inside the spark plug channel

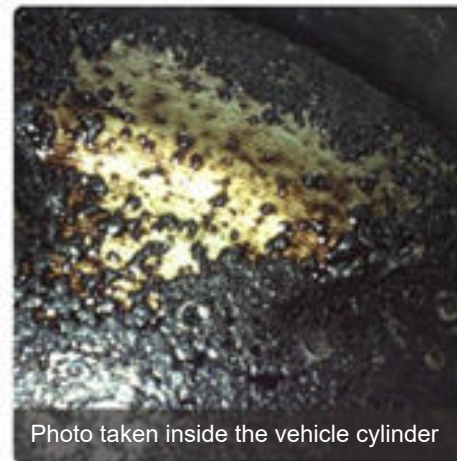


Photo taken inside the vehicle cylinder

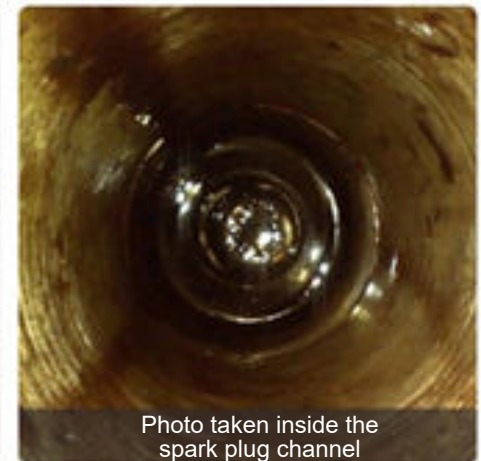


Photo taken inside the spark plug channel

Water resistance IP67

IP67

The oil-resistant operating part can be specially adapted for the inspection of wind turbine gearboxes and electrical generating equipment.



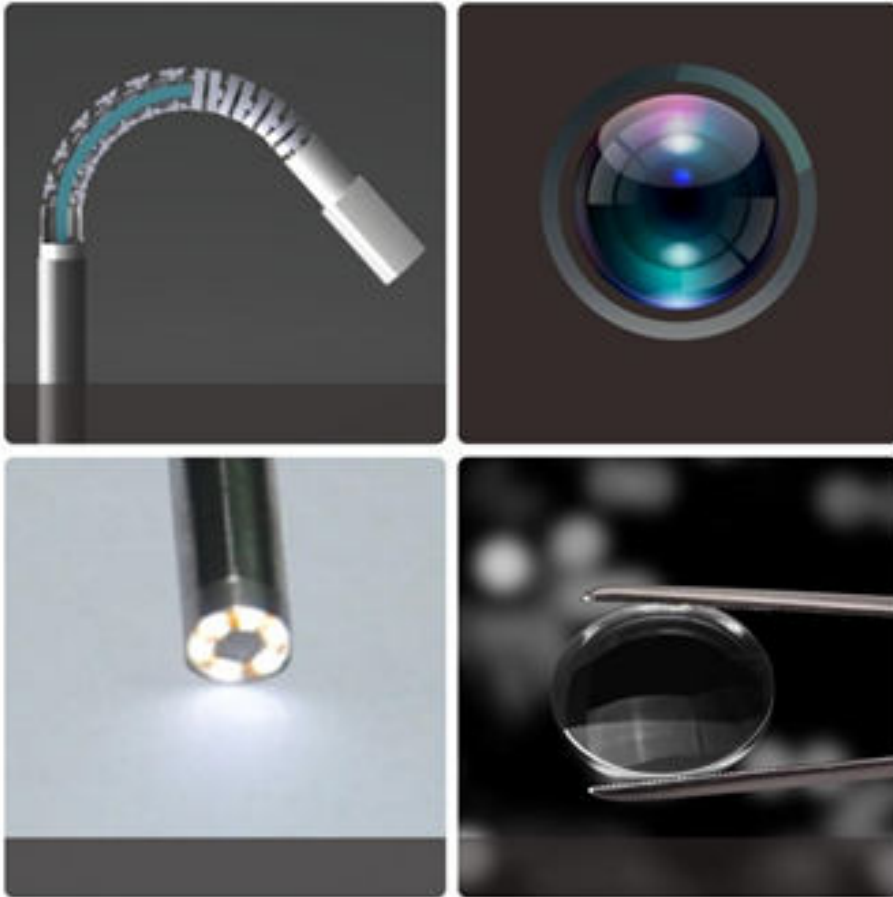
Connection to a large external screen for easy diagnostics

The object images can be transferred to a larger external display via HDMI cable for easy viewing. This option will be useful to the examiner and will allow for collective image review for accurate diagnosis and analysis of results.

Highly adaptable to the environment, oil-resistant design

The double shell of the operating part is made of tungsten alloy filaments, which utilizes more advanced laser welding technology in its production. The IP67 dust and water resistance rating is oil resistant for use in oily environments.





Easy to work with, reliable and economical

The main unit is ergonomic, lightweight, compact and easy to operate. Thanks to the convenient and user-friendly interface, even beginners will be able to get up to work quickly. The videoendoscope was subjected to drop tests, which confirmed the high degree of protection and reliability of the device.



Technical specifications

MAIN UNIT	
Display dimensions	3.5" high-definition display
Display resolution	640x480
Digital zoom	4x real-time, 8x partial during playback
LED backlight brightness	Level adjustment 0-7
Auxiliary measurements	Crosshair cursor
Photo/video	Photo and video recording, photo at video recording
File Format	Images: JPEG/BMP; video: MP4
Watermark with time	Yes
Screen backlight brightness	3 levels of adjustment
Output socket	micro HDMI
Menu language	Simplified Chinese, Traditional Chinese, English, Japanese, Korean, French, German, Portuguese, Spanish, Russian, etc.
Dimensions of the main unit	240 x 102 x 126 mm
Package dimensions	411 x 321 x 165 mm
Main unit	0.5 kg (with battery pack)

OPERATING PART (PROBE)	
Probe diameter (± 0.1 mm)	$\varnothing 6$
Probe material	Wear-resistant tungsten braid
Pixel count	1 000 000
Depth of focus:	10-100 mm
Angle of view	85°
Length of the inserted part	1 m
View direction	Straight
Illumination method	Front LED
Joystick control	360° tilt in all directions
Angle of bending of the probe in one direction	$\geq 180^\circ$
Type of joystick control	Mechanical control
Degree of dust and water resistance of the probe	IP67
POWER	
Power supply	Lithium rechargeable battery (with polarity protection)
Battery features	3.7 V, 3200 mAh
System operating time	>4 h

OPERATING CONDITIONS	
System operating temperature range	- 10°C...50°C
System operating temperature range	- 20°C...60°C
Storage temperature	- 20°C...60°C
Relative humidity	15%...90%
DELIVERY SET	
Standard delivery set	Videoendoscope ME+ - 1 pc, storage and transportation case - 1 pc, rechargeable battery - 1 pc, charger - 1 pc, card reader - 1 pc, memory card 8 GB - 1 pc, wrist strap - 1 pc, user manual - 1 ex.
Optional	Micro-HDMI cable, cooling system, magnetic base



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