

TECHNICAL DATA

Fluke DS701 and DS703 FC High Resolution Diagnostic Videoscopes



Fluke Connect™ compatible

Gritty, industrial, expensive equipment? Diagnose before tear-down with the durability of Fluke

The benefits of a videoscope are well known. But Industrial inspections require a powerful diagnostic videoscope designed to stand up to the dirtiest, most harsh environments.

Fluke Diagnostic Videoscopes put high-resolution images in the palm of your hand.

- High definition probe with dual-view camera
- Processing speeds that render a smooth, clear, consistent image
- 7" LCD screen for easy viewing
- Macro to micro zoom function
- Adjustable lighting to capture the best image
- True 720p video

SUPERIOR IMAGE QUALITY

HIGH RESOLUTION

DS701

800 x 600 (480,000 pixels)

DS703 FC High Resolution

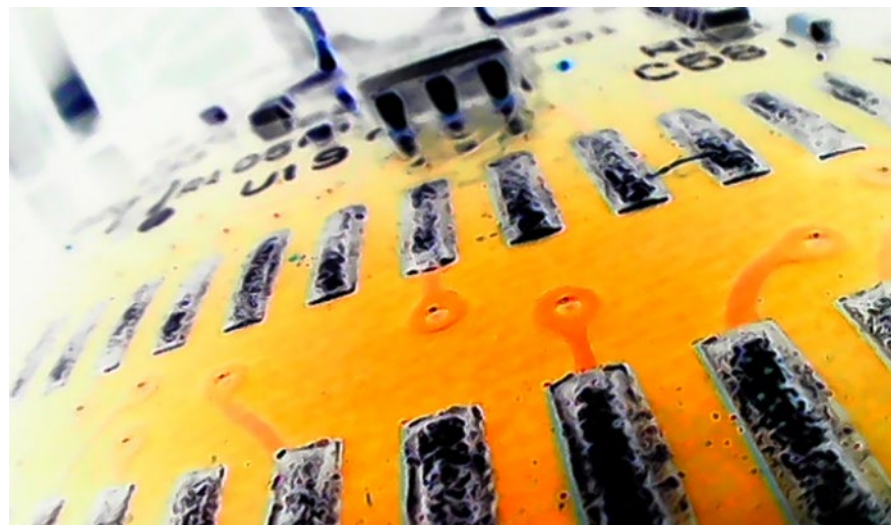
1200 x 720 (864,000 pixels)

DIAGNOSTIC VIDEOSCOPE

Dual view camera

Adjustable light

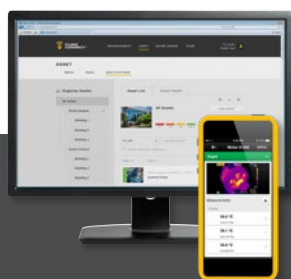
Auto zoom



Detailed specifications

	DS701		DS703 FC	
Videoscope probe				
Length	1.2 meter (3.94 feet)			
Type	Detachable, semi-ridged, waterproof, immersible to 1 meter or more in depth			
Diameter	8.5 mm (0.33 inches), optional 3.8, 5.5 and 9 mm probes available			
Material	Elastomer coated steel			
Lighting	Adjustable LED, one front, one side			
Illumination	53 Lux			
UpisUp™ technology	Appropriate image display, regardless of the orientation of the probe, 8.5 MM, 1.2 M probe only			
Camera	Dual view camera, forward and side			
Resolution	800 x 600 (480,000 pixels)		1200 x 720 (864,000 pixels)	
Still image format	JPG			
Video recording format	AVI			
Video output format	MPEG compression			
Digital zoom	Adjustable from 1x to 8x zoom			
Field of view	68°			
Depth of field	25 mm to infinity			
Video resolution	Standard		720p	
Minimum focus distance	10 mm			
Focus type	Fixed			
Rotation	180°			
Streaming video			Via HDMI and Fluke Connect™	
LCD screen				
Touch screen			Capacitive touch screen	
Size	7 inch (17.79 cm)			
Refresh rate	30 hz			
UpisUp™ technology	Real-time upright adjustment for image			
LED backlight	Adjust display brightness for optimal viewing			
Communication				
Wireless interface			WiFi 802.11b/g/n, Range: 33 feet (10.06 meters)	
Data transfer	USB		USB and micro HDMI cable	
Fluke Connect™			Save and share images directly from the diagnostic scope. Attach images or video to an asset record or work order.	
Instant upload to the cloud			Yes, with Fluke Connect™	
General features				
Color palettes	Visible light, grayscale or inverted			
Internal memory	6 GB			
Physical buttons	Intuitive, easy to navigate button technology, 4 functional keys, 4 navigational, one capture or select button			
Carrying case	Protective EVA case			
Strap	Hand strap		Hand strap and neck strap	
Power adapter	AC adapter/battery charger input			
Battery	6400mAh 3.7 volt rechargeable internal li-ion battery			
Battery life	3 hours at 50 % LED brightness			
Dimensions	6.98 x 8.85 inches (17.73 x 22.48 cm)			
Weight	1.95 lbs (0.88 Kg)			
IP rating				
Tablet	IP56, dust protected and protected against water projected from a nozzle			
Probe	IP68, dust tight and immersion of 1 meter or more depth			
Drop test	2 meter (6.56 feet)			
Operating temperature	-10 °C to 50 °C (14 °F to 122 °F)			
Storage temperature	-40 °C to 60 °C (-40 °F to 140 °F)			
Operating humidity	90 % at 35 °C (95 °F) 75 % at 40 °C (104 °F) 45 % at 50 °C (122 °F)			
Warranty	2 years			

*Fluke Connect™ app and Fluke Connect™ products not available in all countries.



Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect™ system.

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record
- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Access baseline, historical and current measurements by asset

The Fluke DS703 FC is part of a growing system of connected test tools and equipment maintenance software.

Visit www.flukeconnect.com to learn more about the Fluke Connect™ system.



Ordering information

FLK-DS701 Diagnostic Videoscope

FLK-DS703 FC High Resolution Diagnostic Videoscope

What's included

Diagnostic videoscope with 1.2m, 8.5mm semi-rigid probe, hand strap (DS703 FC includes hand and neck strap), USB cable, AC power supply/battery charger, TPAK magnetic hanger, protective EVA case

Optional accessories

FLK-3.8MM Scope 1M probe, forward view

FLK-8.5MM Scope 3M probe, dual view

FLK-5.5MM Scope 1M probe, dual view

FLK-8.5MM Scope 1.2M probe, dual view

FLK-8.5MM UV Scope 1M probe, dual view

Fluke FLK-9MM Scope forward view, 20m probe reel

Fluke DS 7XX Neckstrap

Visit your local Fluke website
or contact your local Fluke
representative for more information.

Fluke. *Keeping your world
up and running.*

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