

# DS701, DS703 FC

Diagnostic Videoscopes

## Safety Information



**2-Year Limited Warranty.**  
See the Users Manual for the full warranty.

To register your product, visit [www.fluke.com](http://www.fluke.com).

To view, print, or download the latest manual or manual supplement, visit <http://us.fluke.com/usen/support/manuals>.

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.

### ⚠️⚠️ Warning

**To prevent possible electrical shock, fire, or personal injury and for safe operation of the Product:**

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product if it operates incorrectly.**
- **Do not use the Product if it is altered or damaged.**
- **Disable the Product if it is damaged.**
- **Do not put metal objects into connectors.**
- **Use only specified replacement parts.**
- **Have an approved technician repair the Product.**



PN 4968067  
March 2018

© 2018 Fluke Corporation. All rights reserved.  
Specifications are subject to change without notice.  
All product names are trademarks of their respective companies.

Fluke Corporation  
P.O. Box 9090  
Everett, WA 98206-9090  
U.S.A.

Fluke Europe B.V.  
P.O. Box 1186  
5602 BD Eindhoven  
The Netherlands

ООО «Флюк СИАЙЭС»  
125167, г. Москва,  
Ленинградский проспект дом 37,  
корпус 9, подъезд 4, 1 этаж

- Use only the external mains power supply included with the Product.
- Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.
- Charge the batteries when the low battery indicator shows to prevent incorrect measurements.
- Disconnect the battery charger and move the Product or battery to a cool, non-flammable location if the rechargeable battery becomes hot (>50 °C) during the charge period.
- De-energize the circuit or wear personal protective equipment in compliance with local requirements before you use the probe in a wall that contains electrical circuitry.
- Do not use the probe in a wall with metal pipes until a qualified electrician verifies the metal pipes do not contain a charge. Ground circuits can cause metal pipes to carry a charge.
- Do not use the probe in moving parts.
- Do not use the Product for medical reasons. The Product is intended for equipment evaluation only and should never be used in diagnostics, treatment, or any other capacity where the Product would come in contact with a patient.

 **Caution**














To prevent damage to the Product, do not expose the probe to petroleum-based products.

## ***Radio Frequency Data***

To view the Radio Frequency Data Class B Instruction Sheet, visit <http://us.fluke.com/usen/support/manuals> and search for 4409209.

## Symbols

The table below lists the symbols that can be used on the Product or in this document.

Symbol	Description
	Consult user documentation.
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Battery status.
	Battery charger input.
	On/Off
	Conforms to European Union directives.
	Certified by CSA Group to North American safety standards.
	Conforms to relevant Australian Safety and EMC standards.
	Conforms to relevant South Korean EMC standards.
	Conforms to the Appliance Efficiency Regulation (California Code of Regulations, Title 20, Sections 1601 through 1608), for small battery charging systems.
 Li-Ion	This Product contains a lithium-ion battery. Do not mix with the solid waste stream. Spent batteries should be disposed of by a qualified recycler or hazardous materials handler per local regulations. Contact your authorized Fluke Service Center for recycling information.
	This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste.

# Specifications

## Temperature

Operating.....	0 °C to +50 °C (+32 °F to +122 °F)
Storage.....	-10 °C to +60 °C (-14 °F to +140 °F)
Battery Charging.....	0 °C to +45 °C (+32 °F to +113 °F)

**Relative Humidity** ..... 10 % to 95 % non-condensing

## Altitude

Operating.....	2000 m
Storage.....	12 000 m

**Power** ..... Internal lithium-ion battery, 3.7 V, 6400 mAh

**Size (H x W x L)** ..... 177.5 mm x 224.6 mm x 36.8 mm  
(7.0 in x 8.84 in x 1.45 in)

**Weight** ..... 0.92 kg (2.0 lb)

**Safety** ..... IEC 61010-1: Pollution Degree 2

## Wireless Radio (DS703 FC)

Frequency.....	2412 MHz to 2462 MHz
Output Power.....	<100 mW

## Electromagnetic Compatibility (EMC)

International.....	IEC 61326-1: Portable Electromagnetic Environment; IEC 61326-2-2 CISPR 11: Group 1, Class A
--------------------	--

*Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.*

*Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.*

*Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.*

Korea (KCC).....	Class A Equipment (Industrial Broadcasting & Communication Equipment)
------------------	---

*Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.*

USA (FCC).....	47 CFR 15 Subpart C Sections 15.207, 15.209, 15.249.
----------------	--