



**HUXSCOPE-WiFi™**  
FIBRE OPTIC MICROSCOPE & INSPECTOR  
**USER MANUAL**



# HUXSCOPE-WiFi™

## FIBRE OPTIC MICROSCOPE & INSPECTOR

HUXSCOPE-WiFi™ is specifically designed to inspect fibre optic ferrule in the field. The built in Wi-Fi allows you to carry out visual inspection on the go with an app available for your Apple iOS or Android Smartphone. The HUXSCOPE-WiFi™ comes with the Pass/Fail Analysis Software, which works on your PC.



### AVAILABLE APPLICATIONS

- Fibre optic system / sub-system with fibre networks
- Fibre optic module included transceivers, SFP, etc.
- Test equipment and distribution patch panels
- Fibre optic components such as attenuators, inside adaptors

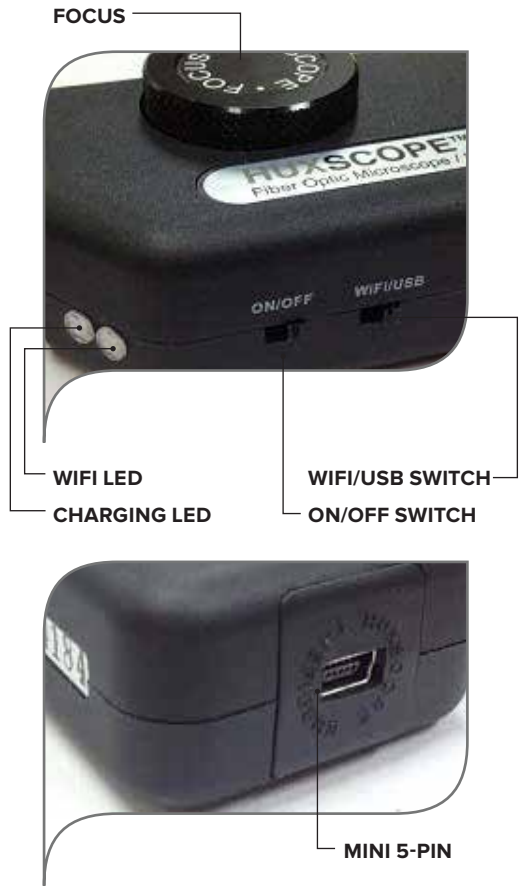
### PACKAGE CONTENTS

- Handset (with built-in WiFi)
- AC Battery Charger comes with a USB to Mini 5-pin Cable
- Software CD-ROM (Pass/Fail Analysis)
- Tip for female SC/PC and FC/PC
- Tip for female LC/PC
- User Manual

Female tips are used to inspect patchcords and male tips are used to inspect ferrules inside an adaptor.

### KEY FEATURES

- WiFi and USB connection to Smartphone and PC
- Android App and iOS (Apple) App
- Pass/Fail Analysis to IEC 61300-3-35
- Both Female / Male Tips connector & adaptor types are available
- External Interface: mini 5-pin type
- Save inspected images and reports
- Real-time report in the field (with the App)
- Built-in rechargeable battery
- Wireless AP or Module not required



### SPECIFICATIONS

Magnification	260X - 400X	
Field of Vision	400um x 300um	
Focus	Manual, Maximum 2mm in and out	
WiFi	2.4GHz WiFi IEEE 802.11b/g/n	
Power of Charger	110/220V@50/60Hz Charger or USB Cable with PC	
Battery	3.7V 1300mA Rechargeable Lithium Polymer Battery	
Battery Running Time	Approx. 4 hours (continuous usage)	
USB Cable	mini 5-pin to USB 2.0 for Windows XP, WIN7/8	
Software	For PC	Pass/Fail Analysis to IEC 61300-3-35
	For Smartphone	Android App and iOS (Apple) App
Dimension	Handset (without Tip)	185mm (L) x 24mm (T)
	Weight	170g



## WiFi OPERATION

Handset includes rechargeable battery with a running time of approximately 4 hours of continuous usage. To avoid the battery going flat, always switch OFF the appliance when not in use. The Charging LED will be on when the battery is charging, when the battery is at full charge or depleted, the red LED will be OFF.

1. Download and install the recommended App (**IP Cam Viewer**) in App Store (iPhone) and Google Play Store (Android Smartphone).
2. Set Handset to **OFF**
3. Set Handset to **WiFi** and then turn **ON**. Wait for a second for the WiFi LED to blink with GREEN color. You should have Wi-Fi on on your smartphone, and be able connect to **TheFibres AP**.

### Settings for iOS iPhone:

- click Menu
- click Manage Cameras
- click Add Camera
- click IP Camera
- set Name
- set Type to "Unknown IP-06"
- set IP/Host to 10.10.1.1 and HTTP to 8196
- click Save

### Settings for Android Smartphone App and camera:

- click Camera Control
- click Setting Icon
- click IP Camera
- set Camera Name
- set Camera Model to "Unknown IP-06"
- set IP to 10.10.1.1 and HTTP Port to 8196
- click Save



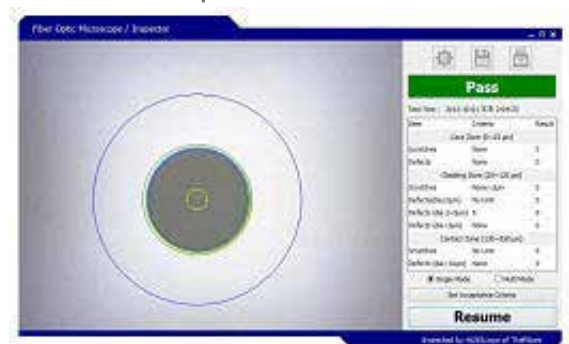
4. Insert the tip until it reaches the edge of the adaptor or female side of fibre optic devices. Rotate FOCUS 360° to get clear images.

### Changing the tip:

The handset is supplied with both the SC and LC female tips. To change the tip simply unscrew the tip and replace with the appropriate tip. Take extra care not to touch the lens in handset when removing and changing the tip. Ensure the lens is clean and free from dirt.

## USB OPERATION

- a. Download and install the supplied software to your PC.
- b. Connect Handset to PC by USB to mini 5-pin cable and switch on the USB and then ON switch.
- c. Run the software (click icon).  
[If the software does not start, you will need to change the name of the Imaging Device.]
- d. Select **Check** button to analyze Pass/Fail and **Resume** to return.
- e. Select Single Mode or Multi Mode button.
- f. Set Acceptance Criteria
- g. Parameter Setting button: To control Video Process and Camera Control (Setting 1, Setting 2)
- h. Change Core/Clad Threshold (recommend 70~90) according to your PC condition.
- i. Save & Print button: After click Check button, you can save (or print) the analysis report by bmp or jpg file. After click the **Resume** button, you can capture (or print) the inspected image only automatically like Capture\_0001, Capture\_0002....



## CHARGING THE BATTERY

- a. Connect the AC battery charger to handset, the required electric power is 110/220V@50/60Hz. To charge the battery to full please allow approximately 3 hours.
- b. The battery can also be charged by connecting the handset to your PC by USB via mini 5-pin cable, however this process is slower than using the AC charger. The charging process will stop automatically when the battery becomes fully charged.
- c. The Life Time of the battery is approximately 500 cycles. The replacement of the battery has to be performed by the manufacturer, contact JCS Technologies to arrange.

## WARRANTY

HUXSCOPE comes with twelve (12) months manufacturers warranty from the date of purchase. The manufacturer agrees to repair or replace any defective part or product.

### The following is not covered under the warranty:

1. Removing the serial and warranty sticker.
2. Failure to use products as intended.
3. Any loss, damage caused by the user.
4. Damage during disassembly.
5. Attempting repairs by the user.

