



User Manual

HUXScope™

Fibre Optic Microscope / Inspector - Test System 1

INTRODUCTION

The HUXScope™ Microscope is a very usefully device to inspect ferrules 'in the field'. You can use it to inspect installed connectors & ferrule end faces already installed inside hardware. It can provide a clear visual image of the end face, so you can understand and control the actual condition of your installed equipment easily. The HUXScope™ will be an invaluable tool for use within your fibre optic systems.

AVAILABLE APPLICATIONS

- Fibre Optic System / Sub-Systems of Fibre Networks
- Fibre Optic Modules, including Transceivers
- Test Equipment and Distribution Patch Panels
- Fibre Optic Components such as Insitu Attenuators & within Adaptors

STANDARD PACKAGE

- Handset
- USB Device with Software
- 1pc Tip for female SC/PC and FC/PC
- 1pc Tip for female LC/PC
- Manual
- Carrying Case

KEY FEATURES

- One handed operation
- Wide 5.6" TFT LCD monitor
- Foldable Monitor option with adjustable Monitor Angle
- Easy focusing and charging via AC 100~220V
- Save Data onto a PC by using a USB device
- Adjustable Brightness & Contrast
- Compliant with RoHS



HARDWARE SPECIFICATIONS

Magnification	260X by 5.6" LCD, 400X by USB or 9" CRT Monitor
Filed of Vision	400um x 300um
Focus	Manual, Maximum 2mm in and out
CCD	1/4" Sharp CCD sensor
Monitor	5.6" TFT LCD
Battery and Power Supply	9.6V 2700mA NH-AA Rechargeable Battery, AC adaptor
USB Device	Video Capture Device with Software for Windows 98/2000/XP
Dimensions	Handset (without Tip) - 185mm (L) x 24mm (T)
	Monitor (when folded) - 150 (W) x 125 (D) x 52 (H)mm
Video Output	NTSC (default) or PAL

Item No.	Item Name	Description
TESTSY1	Standard Overall HUXScope™ Kit	1 Handset 1 USB Device with Software 1 Tip for female SC/PC and FC/PC 1 Tip for female LC/PC 1 Manual 1 Case
SUN0219	LEMO F2 Sleeve Removal Tool	As Described
SUN0220	LEMO Male Tip	As Described
SUN0221	LEMO Female Tip	As Described
SUN0222	SC & FC Adaptors Tip	For viewing ferrules fitted insitu within the adaptor
SUN0223	LC (in Adaptor) Tip	For viewing ferrules fitted insitu within the LC adaptor
SUN0224	HUX Cleaner (2.0mm)	Ferrule end face cleaner for insitu 2.0mm ferrules
SUN0227	USB Device	As Described

PRODUCT OVERVIEW



PRODUCT SETUP

1. Pick up handset plug and insert it into the connector on LCD monitor module.
2. Check the battery or AC adaptor:
 - 2-1. Battery type
We provide a 9.6V, 2700mA, Ni-MH battery which is included in the LCD monitor module. You can work for over 4 hours continuously if the battery is fully charged, and you can check the battery status by LED or LCD monitor module. The LED provides battery status by changing colour, GREEN when OK, RED when the battery is low.
 - 2-2. AC adaptor type
We also provide AC adaptors. The AC adaptor has a jack to be plugged into the power connection.
3. Please see the switch on the side of LCD module. The switch is for controlling both the power on-off, and also you can charge the battery at the same time. When the switch turns power on, the LED lamp is GREEN in case of full battery or AC adaptor.
4. If everything is working, you can adjust the LCD monitor's contrast and brightness via a wheel beside the LCD panel.
5. If you order a USB Device Cable, you can also save the image to your computer by capture.

HOW TO USE

Operation

1. To install and change tip : You can remove and fit any threaded inspection tip from Handset easily. Please keep the handset lens cleaned at all times when removing and exchanging a tip (the Handset has an enlarged end-face lens). Care is recommended when working close to the lens.
2. Insert the tip in the device into adaptor or onto the fibre optic device being inspected. You can easily feel any of the tips reaching the edge of the adaptor or ferrule under test. You should then be able to see something on LCD monitor.
3. You can get clearer images by focusing the device to suit.

Charging battery

1. Connect the jack of the adaptor we provide to the slot of the LCD monitor module. And turn on the power switch.
2. LED is RED to start, but when the battery is fully charged, it will change toGREEN.

Caution :

- Avoid charging the battery for over 8 hours.
- Please don't disassemble either the Handset or Monitor.
- Don't use unapproved battery types in conjunction with theAC Adaptor.
- Don't remove Serial Number Sticker for the device, this will void any Warranty.

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