

# SMART CHECKER™ VFL

Visual fault locator tool.

VFL Part Number: **AFT-G-FC**

1.25mm Adapter Part Number: **AFT-G-FC**

## TYPICAL APPLICATIONS:



FIELD INSTALLATION



FTTH NETWORKS



FTTA NETWORKS



MIL-AEROSPACE



BROADCAST

### SMART CHECKER™ VFL KEY FEATURES:

- 2.5mm port for checking SC, ST, FC, E2000, FTTH Drop Cables with UPC and APC end faces.
- Use 1.25mm adapter (AFT-G-CAC) for checking LC, CS<sup>®</sup> and SN<sup>®</sup> connectors with UPC and APC end faces.
- >5KM visibility range Pulse wave and continuous wave option.
- Power indicator light for **Power On** and **Low Battery** alert.
- Clip and loop for securing VFL to pocket, belt or wrist.
- 1 year warranty

### SMART CHECKER™ VFL DIMENSIONS:

Length: 132.0mm (5.2") Height: 24.0 (0.9")  
Width: 35.4mm (1.4") Weight: 62g (0.11lbs) with batteries



### 1.25mm Adapter P/N: **AFT-G-CAC**



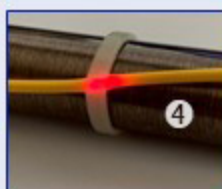
Example of 1.25mm adapter on SN<sup>®</sup> assembly.

## SMART CHECKER™ VFL SPECIFICATIONS

Wavelength:	650nm ± 10nm @ 25°C
Spectral Width:	< 10nm
Power source:	2X 1.5V AAA batteries
Emitting range:	> 5KM
Operating Temp range:	0° C to +50° C

Laser Class:	Class 2M
Output Power:	> -3dBm @ 25°C into singlemode fiber
LED Indicator:	<b>GREEN</b> Power On <b>RED</b> Battery Low
Mode:	Continuous wave and pulse mode
Storage Temp range:	0° C to +70° C

## TYPICAL USES FOR SMART CHECKER™ VFL



- 1 Verify polarity with cable assemblies and spliced splices.
- 2 Locate broken fibers.
- 3 Locate marco bend points where fiber bend radius is exceeded.
- 4 Locate micro bend points where fiber has been pinched.

## HOW TO CHANGE THE BATTERIES



- 1 Slide the rear battery cover backwards.



- 2 Remove the old batteries from the VFL.



- 3 Insert 2X new 12V AAA batteries and replace the cover.

## PRO TIPS for extending the life and getting optimal performance from your SMART CHECKER™ VFL:

- The power indicator LED will flash **RED** to alert when the remaining batteries life is getting low. Keep an extra set of AAA batteries nearby when using the VFL for an extended period of time and turn off VFL when it is not being used.
- Alkaline batteries may leak as they get older. Remove the batteries from your the VFL if you store for an extended period of time. Should a AAA battery leak, clean the alkaline using a swab and lemon juice.
- Avoid using your **SMART CHECKER™ VFL** in places where it could be:
  - ⊖ Submerged in underwater.
  - ⊖ Come into contact with energized power lines
  - ⊖ Exposed to high levels of dust.
  - ⊖ Prolonged exposure to extreme temperatures
- The SMART CHECKER™ VFL's port and the 1.25mm adapter use ferrule stubs. Periodically clean VFL port ferrule stub using a 2.5mm stick and wiping the ferrule stub of the 1.25mm adapter.



Cleaning VFL port using:  
2.5mm NEOCLEAN Stick  
(Senko Part Number **CSK-02**)

Rotate in **one direction**  
making **4 to 6** full rotations.



Wiping 1.25mm adapter using:  
SMART CLEANER™ CASSETTE Standard  
(Senko Part Number **SCK-CC-100**)

Rotate in one direction 1 time.

For more information contact your local Senko sales rep or email us at [sales@senko.com](mailto:sales@senko.com).