

**TFA**

**AM9 Series**

# MAKE PROFESSIONAL TESTING MORE CONVENIENT

Durable and stable

Optical time domain reflectometer OTDR





AM9

**NINE FUNCTIONS OF WISDOM**





Optical time  
domain test



light source



end detection



Visual fault locator



event map



Ethernet test



Remote test



optical loss test



optical power test

# INSTALL VICA BARRIER FOR HIGH REQUIREMENTS DESIGN AND RESEARCH

Have it solve your problem

If you encounter such a problem in their lives



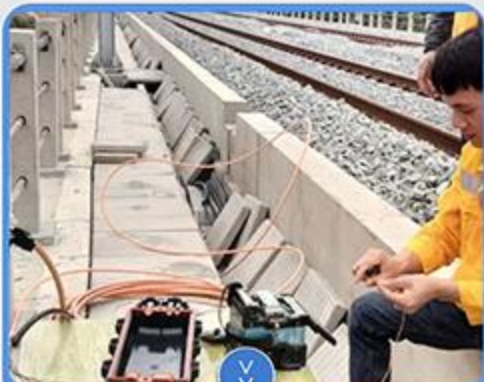
Optical fiber communication  
system engineering acceptance



Optical fiber and cable  
development and production



Engineering fault repair of optical  
fiber communication system



Engineering construction test of  
optical fiber communication system

Display screen /

## LARGE 8-INCH SCREEN

## LET THE OBSERVATION PICTURE QUALITY GO WILD

THE INTERFACE IS NO LONGER BORING



The AM9 is equipped with a large 8-inch color LCD screen for observation

The picture quality is clearer and the display is smoother







OTDR



Event map



light source



optical power meter



Visual fault locator



light loss test



end face test



Ethernet test



File management



remote testing



help



Setup

- MENU
- F1
- F2
- F3
- F4
- F5

Optical Time Domain Reflectometer

Professional OTDR /

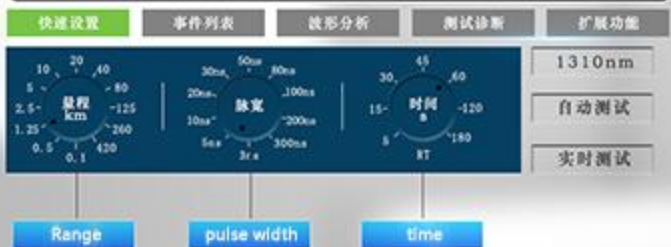
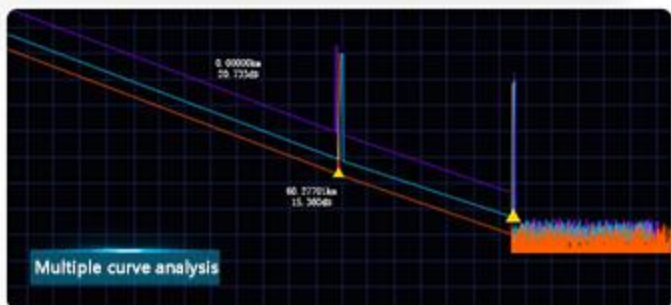
## THREE MEASUREMENT MODES

### DUAL WAVELENGTH TEST

The AM9-V2 has a range of up to 200km



AM9 has three measurement modes, namely automatic test, average test and real-time test. The average measurement will take the average value of several measurements as the display result. Real-time measurement can observe the real-time time when installing the fiber, such as welding loss and return loss



The graphical interface allows you to manually set the range, pulse width and measurement time



More operation interface display

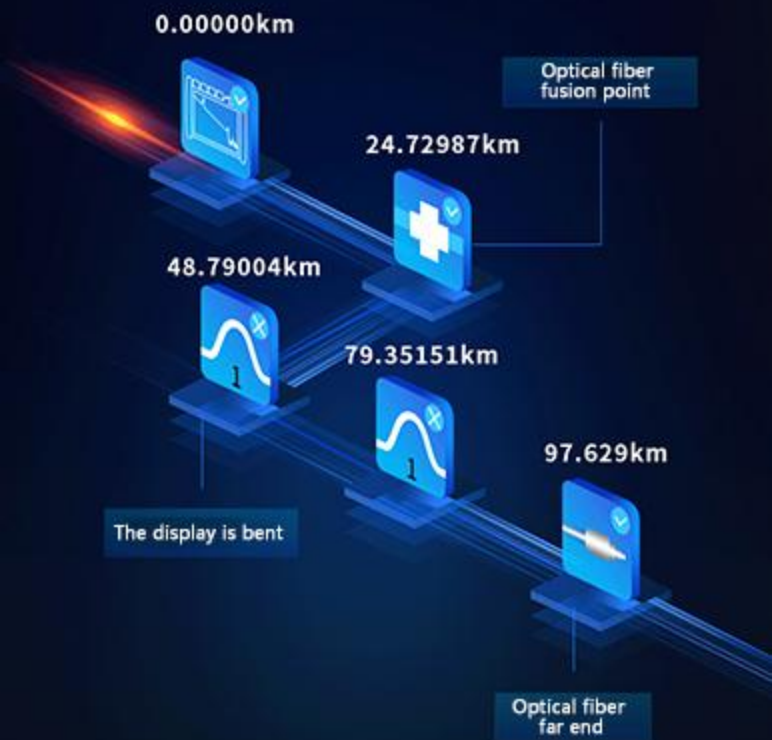
Event map /

## GRAPHICAL LINK DISPLAY SHOW BREAKPOINTS CLEARLY

Make the test interface more intuitive



Event maps can be used to help understand the fiber link condition. Event maps are directly converted into physical diagrams of the continuous condition of the entire fiber link.





## Optical power meter

# EASILY TEST LIGHT LOSS DUAL WAVELENGTH TEST

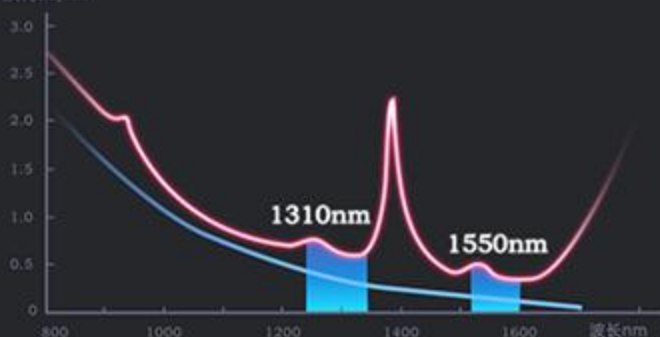
Ensure high-quality transmission of optical signals



The optical power meter function displays the optical power value of the measured part in dBm unit and mW unit in real time, and automatically judges and displays the frequency of the measured part (power value > -20dBm)



损耗dB/km



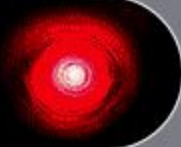
Red light source /

## QUICKLY DETERMINE THE FAULT POINT VFL RED LIGHT SOURCE

More intuitive observation of breakpoints



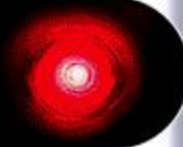
**Steady on**



**1Hz**



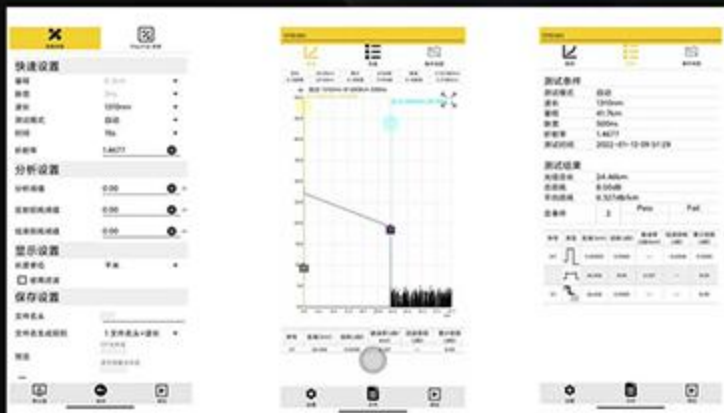
**2Hz**







**LET THE INTELLIGENCE CONTROL THE PALM**  
**APP SIDE BLUETOOTH CONTROL DEVICE**



Other functions

## STICK TO THE EXACT POINT ESCORT THE OPTICAL PATH SMOOTHLY



### END DETECTION

View fiber head  
cleaning in real time



### ETHERNET TEST

IP scanning and  
PING/PPPOE testing





## OPTICAL LOSS MEASUREMENT

Test optical component loss



## REMOTE TEST

Break the space constraint





# APPEARANCE INTRODUCTION



1 / VFL  $\lambda$ 650nm

2/OPM(OPTIN MAX.+26dBm)

3/OTDR/OCID

4/OTDR( $\lambda$ =1310nm  $\lambda$ =1550nm)

5/USB

6/ Power port

7/ Screen

8/ Ethernet port

9/ Ethernet port

10/ Indicator light

11/ Button operation area

12/ Switch

Model number  item	Optical time domain reflectometer			
	AM9	AM9-V1	AM9-V2	AM9-SMV
type	Single mode			single and multi-mode in one
reveal	5.8-inch color LCD + touch screen			
Wave length	1310/1550nm			850/1300/1310/1550nm
Maximum dynamic range①	35/33dB	42/40dB	45/43dB	26/30/37/35dB
Event blind②	1m	0.8m	0.8m	1m
Attenuation dead zone	6m	6m	6m	6m
Test range	500m /1km /2km /4km /8km /16km /32km /64km /128km /256km			
Test pulse width	5ns / 10ns/ 50ns/ 160ns/ 320ns/ 500ns/ 1000ns/ 5000ns/ 10000ns/ 20000ns			
Ranging accuracy	$\pm (0.75\text{m} + \text{sampling interval} + 0.005\% \times \text{test distance})$			
Loss accuracy	$\pm 0.05\text{dB/dB}$			
Reflection accuracy	$\pm 3\text{dB}$			
Data storage	$\geq 2000$			
Optical port type	FC/PC(interchangeable SC, ST)			
Data interface	USB, mini-USB, 10M/100M Ethernet ports			
VFL output	$\geq 5\text{mW}$			
Light source output	$\geq -5\text{dBm}$			
Optical power meter	+26dBm~-50dBm (Replaceable: +6dBm~-70dBm)			
Power supply mode	AC/DC adapter: AC: 100V~240V,50/60Hz,0.6A lithium battery: 7.4V 6700mAh, lithium ion			
Operating temperature	$-5^{\circ}\text{C} \sim 50^{\circ}\text{C}$			
Storage temperature	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$			
Relative humidity	0 ~ 95% no condensation			
Machine weight	$\leq 1.1\text{kg}$			
volume	227mm×160mm×70mm			

Note: ①. Test ambient temperature  $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , maximum test pulse width, average times  $\geq$  Three hundred times.

② Event blind zone test conditions are minimum range, minimum pulse width, fiber end reflection loss  $\geq 45\text{ dB}$ , typical value.

# PRODUCT DISPLAY







