

# HYTT-9000

## Multi-function OTDR

### OTDR/OPM/OLS/VFL/IOLM/Fiber Microscope

- Multi-wavelength:  
1310/1550/1625/1650/  
1490/850/1300nm
- Multi-dynamic:  
42/40/38/35/32/30/26dB
- Capacitive Touch Screen



Shenzhen HongYu Telecom Tech Co. Ltd

*Steering Technologies*

# LARGE TOUCH SCREEN

Simple Use, Powerful Function



## INTRODUCTION

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HYTT-9000 series Optical Time Domain Reflectometer (OTDR) is the new generation of intelligent meter for the detection of fiber communications systems. With the popularize of optical network construction in cities and country sides, the measurement of optical network became short and disperse, HYTT-9000 is specially designed for that kind of application, its economic and also have outstanding performance.

## FEATURES

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- ◆ Integrated design, smart and rugged.
- ◆ Small and light, easy to carry.
- ◆ 1625nm online detection module with filter is available as a option for a online FTTx/PON detection.
- ◆ Multi-measuring mode, simple to use, finish measurement by just one button.
- ◆ Real-time measuring function, convenient to monitor the splicing process.
- ◆ Internal large power visual laser source for accurate positioning the closer fault point.
- ◆ Internal -5dBm stable laser source.
- ◆ Warning function could prevent module of OTDR damaged by optical signal.
- ◆ Integrated with 2 main USB and one sub USB port, for controlling by PC or connect external instrument.
- ◆ Support Chinese and English input, friendly interface, analog keyboard capable.
- ◆ Integrated with 8G internal memory. Storage more than 80000 groups curve.
- ◆ Provide data simulation software to process, generate and print report.
- ◆ Battery indicate function.
- ◆ Long working hours for outdoor operation
- ◆ **Fiber Microscope ( x400 ) --Optional**
- ◆ IOLM Function
- ◆ Visual Fault Locator function
- ◆ Optical Power meter function
- ◆ Optical Light Source function
- ◆ Multi-wavelengths: 1310/1550nm; 850/1300nm; 1310/1550/850/1300nm;  
1310/1550/1625nm; 1310/1490/1550nm; 1310/1490/1625nm, 1650nm etc.

**HYTT-9000 Series OTDR, we can make 26/24dB~42/40db, and we can produce two wavelengths; three wavelengths; four wavelengths according to customers' request.**

## TECHNICAL SPECIFICATION

Type	HYTT9000-S-A32	HYTT9000-S-A35	HYTT9000-S-A37	HYTT9000-M26	HYTT9000-S-AD38	HYTT9000-S-AB38	HYTT9000-SM42
Testing wavelength	1310/1550 nm	1310/1550 nm	1310/1550 nm	850/1300nm	1310/1490/1550nm	1310/1550/1625nm	850/1300/1310/1550nm
Dynamic range	32/30dB	35/33dB	37/35dB	20/26dB	38/35/36dB	38/35/36dB	20/26/42/40B
Event Dead Zone	0.8m	0.8m	1m	1m	1m	1m	1m
Attenuation Dead Zone	4m	4m	4m	5m	4m	5m	5m
Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs						
Testing Distance	500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km						
Measurement Time	Use-defined (smart link) ; with real-time measurement function						
Linearity	≤0.05dB/dB						
Loss Threshold	0.01dB						
Loss Resolution	0.001dB						
Distance Resolution	0.01m						
Sampling Resolution	minimum 0.25m						
Sampling Point	Maximum 128,000 points						
Distance Accuracy	±(1m+measuring distance×3×10 <sup>-5</sup> +sampling resolution )						

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## Steering Technologies

Internal visual source	10mw, CW/2Hz
Stable laser source	>-5dBm
Data Storage	80000 groups of curve
Interface	3 USB ports
Display	7 inch capacitive touching screen
Battery	7.4V/6.6Ah lithium battery, continuous 8-10 hours
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+75°C
Relative Humidity	≤90%, non-den
Dimension	230×185×70mm / 1.5kg
Accessories	Main unit, 8.4V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case
Option	SC/ST, Bare fiber adapter

## FUNCTIONS

850/1300/1310/1490/1550/1625nm;

**Optical Power Meter:** -70~+10db OR -50~+26db

**Optical Light Source:** 1310/1550nm

## APPLICATIONS

- ◆ Measure the loss of splicing points, optical connectors and adapters.
- ◆ Measure the loss of single fiber or cable.
- ◆ Measure the length of cable, set different refractive index for various fibers.
- ◆ Locate the position of broken point, Optical connector and adapter.
- ◆ Measure the discrete reflection ratio between SR points.
- ◆ Measure return loss for whole fiber circuit including connecting points and s points.

## ORDERING INFORMATION

Type	Testing Wavelength	Dynamic Range
HYTT9000-S-A32	1310/1550	32/30
HYTT9000-S-A35	1310/1550	35/33
HYTT9000-S-A37	1310/1550	37/35
HYTT9000-S-A40	1310/1550	40/38
HYTT9000-S-A42	1310/1550	42/40
HYTT9000-S-B33	1625	33
HYTT9000-S-B35	1625	35
HYTT9000-S-C26	1650	26
HYTT9000-S-C33	1650	33
HYTT9000-S-D35	1490	35
HYTT9000-S-AB35	1310/1550/1625	35/33/33
HYTT9000-S-AB38	1310/1550/1625	38/35/36
HYTT9000-S-AB43	1310/1550/1625	43/41/41
HYTT9000-S-AC35	1310/1550/1650	35/33/32
HYTT9000-S--AD38	1310/1490/1550	38/35/36
HYTT9000-M26	850/1300	20/26
HYTT9000-S-ACD35	1310/1490/1550/1625	35/33/33/33
HYTT9000-S-ACD40	1310/1490/1550/1625	40/38/38/38
HYTT9000-SM32	1310/1550/850/1300	32/30/20/26
HYTT9000-SM35	1310/1550/850/1300	35/33/20/26
HYTT9000-SM42	1310/1550/850/1300	42/40/20/26

# PRODUCT SHOWCASE

