

### **MERCURY Series High-Performance OTDR**

#### **Product overview**



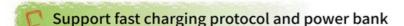
Mercury series is a high performance and next generation OTDR, Supply 7 inch capacitance touch screen. It integrates 9 modules (OTDR/VFL/LS/OPM/Event map/End Detection/Optical Loss Test / Ethernet Test / Remote Test & File Management) to help customers efficiently solve the field test & Maintenance issues.

Thanks to its excellent intelligent hardware & software design, it is able to deliver higher accuracy of short fiber test & automation test. It is equipped with powerful ethernet test (Ping/PPOE). Mercury Series OTDR is used to test the optical fiber length, loss & connection quality and used in the engineers construction, link maintenance test. It is mainly used in engineers construction, emergency repair of optical fiber communication system, research & production measurement of first class optical fiber cable.

#### **Product features**







**Ethernet test, supporting Ethernet Remote Test** 

Support SM/MM/SM+MM test

PON network online test

Maximum dynamic range 46dB

Mobile APP wireless operation

Integrate OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/
Remote test/File management



7 inch screen Detection of online test
Key + touch operation mode Caution function



Two languages input Report printing

Nomenclature in Chinese and English Files batch processing





Multi wavelength simultaneous test Results automatic analysis

# Mercury Series Technical specifications

					OTDR		_			
Model	S0 S1	S2 S3 S4	T1	T2	T3	T4	T5	Т6	F1	
Type	30 31	32 33 34		12	SM	17	13	10		
.,,,,,		1	1210-		9500000	0nm	121	0	1310nm	
1310nm   Wavelength   1310/1550nm /1490nm						50nm		0nm 50nm	/1490nm	
wavelength	/1550nm /1650nm /1650nm /1650nm									
									/1625nm	
MaxDynamicRange(dB										
Event Blind Zone	0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.5m	
ATT Blind zone	4m	3.5m	4m	3.5m	4m	3.5m	4m	3.5m	3.5m	14001
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km									
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/80ns/1us/2us/3us/5us/8us/10us/20us									
Rangingaccuracy	± (0.75m+ Sample interval+0.0025% × Test distance)									
Loss accuracy	0.03d B/dB									
Sample Points	≥256k									
Sample Resolution	0.015m~16m									
Reflection Accuracy						±20				
Loss Resolution	±0.001dB									
Loss Threshold						0.01	.dB			
File Format	SOR Standard File Format									
Loss Analysis	4-point method /5-point method									
Laser Safety Level	Class II									
Refresh Rate	4 Hz (Typ.)									
Data Storage			nternal s	torage: 2	GB, 200,0	00curves	Externa	l storage:	:64GB	
Connector					FC/UPC	(Interchar	ngeable S	C、ST)		
Data Interface				USB		port, RJ4	15 LAN 10,	/100Mbit/	's	
					ОРМ					
Wavelength range						800nm~1				
Connector	Universal FC/SC/ST									
Test scope					-50dBm	~+26dBm		+6dBm		
Uncertainty						±5				
Calibration wavelength			850 nm	/980nm/		.310nm/1	490nm/1	550nm/16	525nm/1650	nm
Lease Toron					LS	- FD				
Laser Type	FP-LD									
Wavelength Output power	Consistent with OTDR output wavelength									
Mode	≥-5dBm (SM fiber)									
Stability	CW/270Hz/1kHz/2kHz									
Connector	CW, ±0.5dB/15min (Test after 15 minutes of preheating)  FC/UPC (Interchangeable SC、ST)									
Connector					VFL	(IIIterchai	igeable 3	C. 31)	Street of the last	
Wavelength					VFL	650nm=	- 20nm			
output power	650nm±20nm ≥10mW									
Mode						CW/1H				
Connector					FC/LIDC	(Interchar		C ST)		
Connector	TheO	ptical Loss Test	index re						ver meter in	dev
	Theo	parcar Loss rest	muex re	iers to th	e above t	ignit sound	e and op	ricai pov	ver meter m	uex.
					Others					
Display	7 inch color LCD + touch screen Resolution: 800×480									
Power supply	Type-C adapter: Input: 100V~240V, 50/60Hz, Output:5V/3A,9V/2A,12V/1.5A Lithium battery: 3.7V,10400mAh									
working mperature	-10°C∼+50°C									
Storage temperature						-40°C∼	+70°C			
relative humidity	0∼95%, Non Condensing									
Weight	≤1.2kg									
Size					215	mm×160	)mm×50i	mm		

## Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	AC/DC power adapter	1	
3	U disk (containing analysis software/ User's Manual)	1	
4	Data line	1	
5	OTDR SC adapter	1	
		1	

NO.	Name	Quantity	Remarks
7	User's Manual	1	
8	Calibration certification	1	)S
9	Certificate/ Warranty card	1	
10	Clean cotton piece	10	
11	Leather knob	1	
12	Special backpack for instrument	1	





