SKYCOM Communications Ltd
www.njtxt.com.cn Tel: 86 25 66061887 Fax: 86 25 84523090

Optical Time Domain Reflectometry

— T-OT750-S-AB35

Feature:

- Touch-sensitive and solid physical button work together for perfect user experience
- Excellent for short-range measurement，Dead zone：0.8m/4m
- Maximum sampling resolution：5cm
- Support multiple analysis functions on testing results：Segment return loss，Event point return loss，Multi curves comparison, quick screen shots.
- Complete user data interface：USB（Type A）、MINI USB、SD card

Model Specification.

Model No.	Wave Length(nm)	Dynamic Range（dB）	**Deadzone（M）**
T-OT750-S-AB35	1310/1550/1625	35/33/32	0.8/4

Parameter

Pulse Width	SM	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs

Test Range	SM	100m、500m、2km、5km、10km、20km、40km、80km、120km、160km、240km
Minimum sampling resolution		0.05m
Maximum sampling point		256,000
linearity		≤0.05dB/dB
Loss resolution		0.001dB
Distance resolution		0.01m
Distance accuracy		±(1m+Range×3×10-5+Sampling resolution) （Regardless of the refractive index）
Result Storage		>16G SD card(Maximum support 128G)，Store more than 100000 pieces of data
Complete user data interface		USB(Type A)、MINI USB、SD card
Monitor		5.6 "TFT LCD 640 * 480
Battery		7.4V/2500mAh X 2 lithium battery(Aviation certification)
Working temperature		Working temperature：-10℃~+50℃；Storage temperature：-20℃~+70℃
Relative humidity		≤95%(No condensation)
Size and weight		215×155×68mm/1.1kg(Including 2 batteries)
VFL		10KMS, 10mW，CW/2Hz
OPM		Option A：-10dBm~-70dBm; Option B：+23dBm~-50dBm
Laser source		Output：-5dBm±2dB，Frequency：CW/270Hz/1KHz/2KHz
GPS/GNSS		Customized
WIFI/Bluetooth		Customized

Standard Package:

Hard Carrying Case

OTDR with Battery Pack

Calibration & Test Report

Touch Pen

FC & SC connectors

Belt

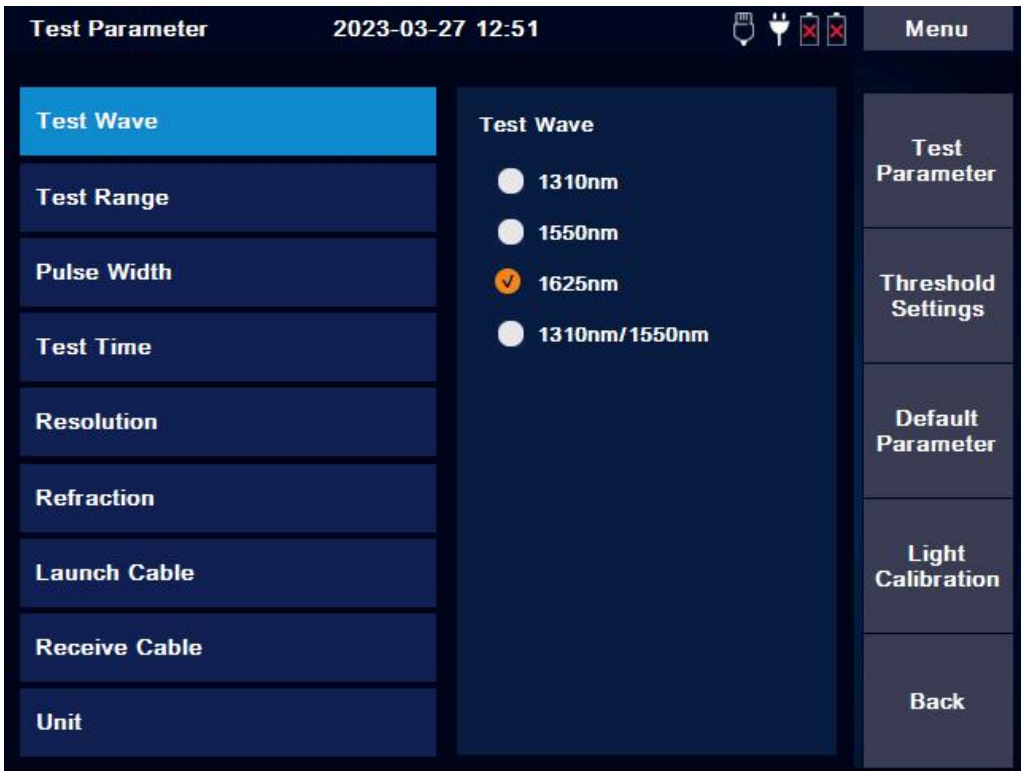
AC Adaptor

Power Supply

User Manual

Add: Building 10, No. 1, Hengyi Road, Qixia, Nanjing City, China
SKYCOM Communications Ltd .

OTDR Function module

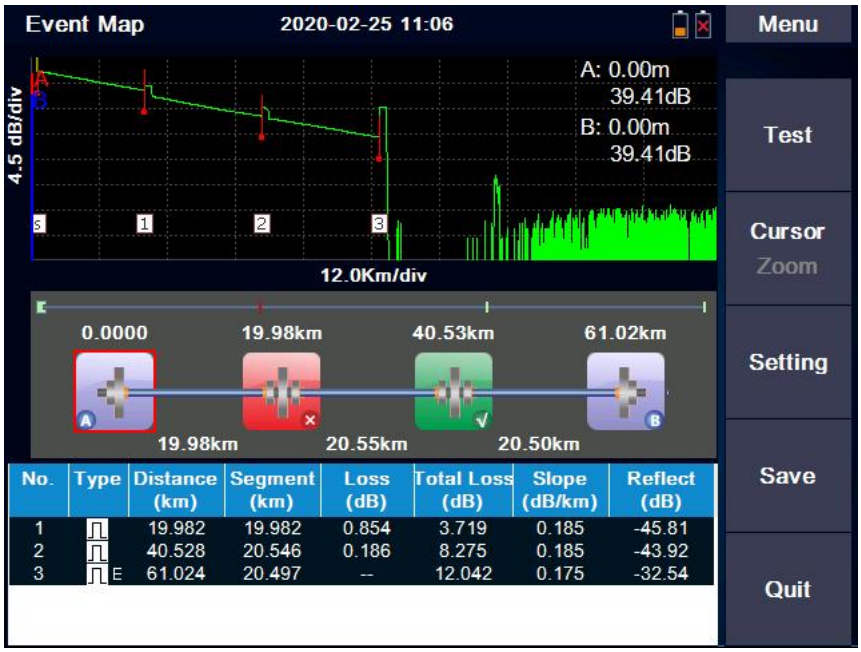


VFL module（650nm）

OPM module

Light source module

Event Map


Event Map
2020-02-25 11:06
Menu
A: 0.00m
39.41dB
B: 0.00m
39.41dB
4.5 dB/div
12.0Km/div
0.0000
19.98km
40.53km
61.02km
19.98km
20.55km
20.50km
Test
Cursor
Zoom
Setting
Save
Quit
No. Type Distance (km) Segment (km) Loss (dB) Total Loss (dB) Slope (dB/km) Reflect (dB)
1 19.982 19.982 0.854 3.719 0.185 -45.81
2 40.528 20.546 0.186 8.275 0.185 -43.92
3 E 61.024 20.497 -- 12.042 0.175 -32.54

Event Map
2020-03-31 17:20
Menu
A: 0.00m
8.87dB
B: 0.00m
8.87dB
6.0 dB/div
1550nm
PASS
4.0Km/div
Pulse Width: 500ns Link Length: 19.99km Link Loss: 3.7dB
0.00m
19.99km
19.99km
Test
Cursor
Zoom
Setting
Save
Quit
No. Type Distance (km) Segment (km) Loss (dB) Total Loss (dB) Slope (dB/km) Reflect (dB)
1 E 19.986 19.986 -- 3.680 0.183 -38.95