SALUKI
TECHNOLOGY

S2106P SERIES PON OPTICAL TIME DOMAIN REFLECTOMETER

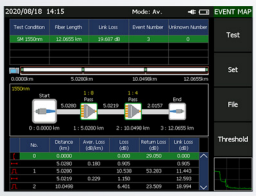
7 Function Modules
Meet all your test

PLC testing
PON network testing

iONM
Intelligent optical network map

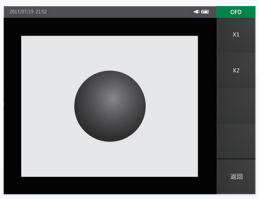
Signal detection
Effective protection of APD

SOR Batch processing
Data fast processing

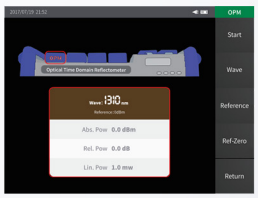


Event Map
(with splitters)

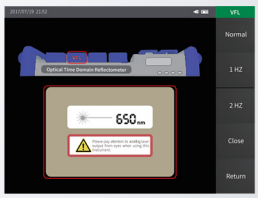
LS



OFD



OPM



VFL

Introduction

Saluki S2106P series PON optical time domain reflectometer is designed for testing PON network through max. 1:64 splitters. Adopt 5.6 inch color touch screen, up to 38dB dynamic range, less than 0.8m ultra short event blind zone, 20 hours long standby.

Applications

※ FTTx test
※ Lab and factory test
※ Live fiber troubleshoot
※ CATV/ LAN/ Metro/ Access network test

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Product Features

High performance test

- Dynamic range up to 38dB
- Less than 0.8m ultra short event blind area
- Automatic and manual measurement setting
- Link optical nondestructive testing
- Signal optical detection function
- (Effective protection of APD)

Convenient operation

- One button automatic test
- Touch/ key dual operation
- 5.6 inch color TFT LCD display
- Ethernet remote control function
- Multiple wavelength simultaneous testing
- Unique diagnostic function for test results

High reliability

- 20h super long standby
- 1.5 meter drop test
- Waterproof and splash proof
- Operation temperature -10°C to 50°C

Multifunctional test - Standard configuration

- OTDR
- PON network testing
- Stable laser source (LS)
- Visual red light fault location (VFL)
- Optical power meter (OPM)

Multifunctional test - High configuration

- Intelligent optical network map (iONM)
- Optical fiber end face detection (OFD)
- Optical loss test (OLT)
- Fault location

Convenient data processing

- Automatic data storage
- SOR batch processing
- Remote upgrade function

Technical Specifications

Model	S2106P-PD1	S2106P-PS1	S2106P-PS2	S2106P-PT1	S2106P-PT2
Fiber Type	G.652				
Wavelength (nm)	1310nm ±20nm 1550nm ±20nm	1625nm±20nm (Filtered)	1650nm±15nm (Filtered)	1310/1550nm ±20nm 1625nm±15nm (Filtered)	1310/1550nm ±20nm 1650nm±15nm (Filtered)
Filter	/	High Pass >1595nm, Isolation >50dB (1270nm-1585nm)	Bandpass 1650nm±7nm, Isolation >50dB (1650nm±10nm)	High Pass >1595nm, Isolation >50dB (1270nm-1585nm)	Bandpass 1650nm±7nm, Isolation >50dB (1650nm±10nm)
Max. Dynamic Range	37/35dB	38dB	38dB	38/35/35dB	38/35/35dB
Event Blind Zone	1m	0.8m	0.8m	0.8m	0.8m
ATT Blind Zone	6m	6m	6m	6m	6m
PON Blind Zone	30m	30m	30m	30m	30m
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/128km/256km				
Pulse Width	3ns/5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns				
Ranging Accuracy	± (0.75m + Sampling interval + 0.005% x Test distance)				
Loss Accuracy	±0.05dB/dB				
Reflection Accuracy	±3dB				
Sampling Points	16k - 256k				
Sampling Resolution	0.05m - 16m				
File Format	SOR standard file format				
Data Storage	Internal: 100M (≤3000 curves), External: 4GB				
Data Interface	USB, Mini USB, 10M/100M Ethernet				
Optical Interface	FC/UPC (Interchangeable SC, ST)				
Standard VFL Output Power	≥ 5mW (Customized ≥ 10mW)				
Display & Size	5.6 inch color LCD touch screen			227mm*160mm*70mm	