

S2105 Optical Time Domain Reflectometer

Multi-Functions: Auto OTDR/ Expert OTDR/ OPM/ LS/ VFL/ Event Map/ OLT/ RJ45 Cable Tracker/
RJ45 Cable Sequence/ RJ45 Cable Length Test/ Laser Ranging/ Flashlight

Key Features

- Wavelength range 850/1300/1310/1550/1625/1650nm
- Dynamic range up to 35dB, 1.2m ultra-short event blind zone
- One button Automatic Test and Real Time Test
- Standard 12 functional modules: AUTO OTDR, Expert OTDR, event map, optical power meter, visual fault location, stable laser source, optical loss test, RJ45 cable tracker, RJ45 cable sequence, RJ45 cable length test, laser ranging and flashlight
- VFL and LS function can run in the background
- IP65 protection level, outdoor enhanced
- 8G internal storage and store 200,000 curves
- Unique function for self-diagnosis on test result
- English display and input, automatic data storage
- 4.3 inch color capacitive touch screen, support multi-point touch

Typical Applications

- FTTx test
- CATV network testing
- Access network testing
- LAN network testing
- Metro network testing
- Lab and factory testing
- Live fiber troubleshooting




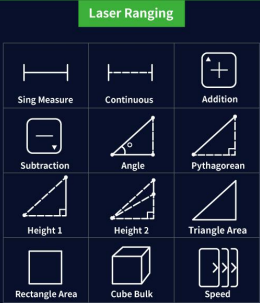
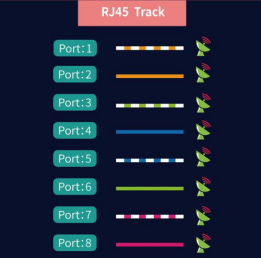

Saluki S2105 Series Optical Time Domain Reflectometer is the first multi-functional intelligent and high-precision test instrument of Android system style. It uses "Android" UI design, adopts 4.3-inch capacitive touchscreen, supports multi-point touch, more comfortable and simple to operate. It can meet various test requirements in different occasions. OTDR has 1.2m ultra short event blind area, the maximum dynamic range is 35dB, 8G of storage which can store 200000 curves; it uses 4000mAh high-density and high-capacity polymer lithium battery, and operating time is more than 10 hours under high brightness. It has accurate test precision and information collection ability, and the powerful internal analysis software can provide accurate data service for terminal testers.

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S2105 series is used to measure the fiber and cable length, loss, connection quality and other parameters. They are widely used in the construction of Metropolitan area network communication system, line maintenance and emergency repair test, research and production measurement of optical fiber and cable.

Unique Functions

<p>OTDR / Event Map</p>  <p>Auto OTDR: no complex settings, one key test; Expert OTDR: professional test mode, curve, list, map display at the same time; 50dB isolation, 1650nm on-line test</p>	<p>Laser Ranging</p>  <p>40m precision ranging, ±2mm test accuracy; Support area, volume, angle, speed etc; Multi test mode, store measurement data</p>	<p>RJ45 Cable Tracker</p>  <p>Digital radar tracking, strong anti-jamming ability; According to the distance of target, the prompt frequency is different; Support online tracking/tracking by line pair</p>	<p>RJ45 Cable Length</p>  <p>RJ45 cable sequence test, cable length test; The maximum distance is 300 meters</p>
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Technical Specifications

➤ OTDR

Module	S1	S2	S3	P1F1	P1F2	P2F1	P2F2	M1
Fiber Type	SMF							MMF
Wavelength	1310/1550nm			1625nm		1650nm		850/1300nm
Max. Dynamic Range	30/28dB	32/30dB	35/33dB	28dB	30dB	26dB	30dB	26/28dB
Event Blind Zone	1.2m							1.5m
Attenuation Blind Zone	5m							6m
Test Accuracy	± (1m + Sampling interval + 0.005% × Test distance)							
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/100km							

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Pulse Widths	3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1μs/2μs/3μs/5μs/ 8μs/10μs/20μs
Sampling Points	16k - 256k
Sample Resolution	0.05m - 8m
Linearity	≤ 0.05dB/dB
Loss Resolution	0.001dB
Loss Threshold	0.01dB
Distance Resolution	0.001m
Refractive Index	1.00000 - 2.00000, 0.00001 step
Reflection Accuracy	± 3dB
File Format	SOR (standard format)
Loss Analysis	4-point method / 5-point method
Laser Safety Level	Class II
Optical Interface	FC/UPC (Interchangeable SC, ST)
Refresh Rate	3Hz (typ.)
Multitasking Function	Support

➤ Optical Power Meter

Wavelength Range	800nm - 1700nm
Connector	Universal joint FC/SC/ST
Measurement Range	-50dBm to +26dBm or -70dBm to +10dBm
Uncertainty	± 5%
Resolution	0.01dB

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Display Unit	dB, dBm
Calibration Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
Frequency Identification	CW/270Hz/330Hz/1kHz/2kHz (Use inner LS)
Wavelength Identification	Support
Data Acquisition	Support

➤ Stable Laser Source

Laser Source	FP-LD
Wavelength	Consistent with OTDR output wavelength
Output Power	≥ -5dBm
Connector	FC/UPC (Interchangeable SC, ST)
Frequency Identification	CW/270Hz/330Hz/1kHz/2kHz
Wavelength Identification	Support

➤ Visual Fault Location

Wavelength	650nm ±20nm
Standard Output Power	≥ 10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC, ST)
Laser Safety Level	Class III

➤ Laser Ranging

Test Range	0.05m - 40m
Accuracy	±2.0mm
Laser Type	620nm - 690nm
Laser Safety Level	Class II, <1mW

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➤ RJ45 Cable Tracker

Mode	Digital/Analog Tracking
Test Distance	≥300m
Online/Line Pair Tracking	Support

➤ RJ45 Cable Length Test

Test Distance	≥300m
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➤ Optical Loss Test

Wavelength	Consistent with LS output wavelength
Test Range	Consistent with OPM
Insertion Loss Test	Support

➤ General Information

Display	4.3 inch 800×480 IPS TFT-LCD Multi-point capacitive touch screen
Battery	3.7V / 4000mAh lithium battery, continuous >8h
Power Supply	AC/DC adapter 100V-240V, 50/60Hz, 0.6A; Output: 5V, 2A
Data Storage	Internal: 8GB, ≥200,000 curves
Data Interface	USB Type C
Weight	About 0.4kg (including battery)
Dimension	174mm × 92mm × 45mm
Environment	Operating Temperature: -10 to +50°C / Storage: -40 to +70°C, Relative humidity: 0 - 95% non condensation

Attention: The OTDR interface type is standard FC/UPC, FC/APC optional if needed. Due to the need for improvement, the above contents are subject to change without notice.

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