

S2105 SERIES OPTICAL TIME DOMAIN REFLECTOMETER



12 Function Modules
Meet all your test



iONM-Event Map
Intelligent link analysis



4.3 inch Outdoor Enhanced
Multi-points color touch screen



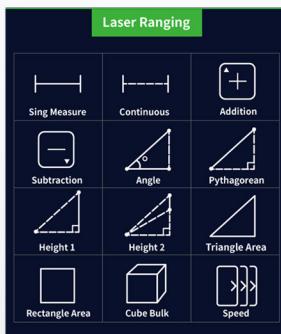
Multi Task Operation
VFL and LS run in the background



RJ45 **RJ45 Test**
Broadband install and maintain



OTDR / Event Map



Laser Ranging



RJ45 Cable Tracker



RJ45 Length

Introduction

Saluki S2105 series is integrated 12 functions: Auto OTDR, Expert OTDR, LS, OPM, VFL, Event map, Optical loss test, RJ45 sequence, RJ45 tracker, RJ45 length, Laser ranging and Flashlight. It is the first multi-functional intelligent and high-precision test instrument of Android system style.

Applications

- ※ FTTx test
- ※ Lab and factory test
- ※ Live fiber troubleshoot
- ※ Broadband install and maintain
- ※ CATV/ LAN/ Metro/ Access network test

Product Features

■ High performance test

Max. 35dB dynamic range
1.2m event blind zone
Multi task simultaneous operation
Support frequency/ wave identification
Online detection -APD effective protection

■ Multifunctional test - High configuration

Expert OTDR
Intelligent optical network map (iONM)
RJ45 cable length measurement
RJ45 line-tracker measurement
Laser ranging (0.05m - 40m)
Optical loss test

■ Multifunctional test - Standard configuration

Auto OTDR
Stable laser source (LS)
Visual red light fault location (VFL)
Optical power meter (OPM)
RJ45 Ethernet cable sequence measurement
Flashlight

■ Convenient operation

4.3 inch multi-points touch screen
File auto saving
One-click automatic test
Test results automatic analysis

■ Convenient data processing

SOR file batch processing
Remote upgrading
Batch export of USB data files

■ High reliability

12h continuous measurement time
20h super long standby
1.5 meter drop test
Waterproof and splash proof
Operation temperature -10°C to 50°C

Technical Specifications

| Model | S2105-S1 | S2105-S2 | S2105-S3 | S2105-P1F1 | S2105-P1F2 | S2105-P2F1 | S2105-P2F2 | S2105-M1 |
|---------------------------|--|----------|----------|------------|------------|-------------------------|------------|--------------|
| Fiber Type | SM | | | | | | MM | |
| Wavelength | 1310nm/1550nm | | | 1625nm | | 1650nm | | 850nm/1300nm |
| Max. Dynamic Range | 30/28dB | 32/30dB | 35/33dB | 28dB | 30dB | 26dB | 30dB | 26/28dB |
| Event Blind Zone | 1.2m | 1.2m | 1.2m | 1.2m | 1.2m | 1.2m | 1.2m | 1.5m |
| ATT Blind Zone | 5m | 5m | 5m | 5m | 5m | 5m | 5m | 6m |
| Test Range | 500m/1km/2km/4km/8km/16km/32km/64km/100km | | | | | | | |
| Pulse Width | 3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us | | | | | | | |
| Ranging Accuracy | $\pm(0.75m + \text{Sampling interval} + 0.005\% \times \text{test distance})$ | | | | | | | |
| Loss Accuracy | $\pm 0.05\text{dB}/\text{dB}$ | | | | | | | |
| Reflection Accuracy | $\pm 3\text{dB}$ | | | | | | | |
| Sampling Points | 16k - 256k | | | | | | | |
| Sampling Resolution | 0.05m - 8m | | | | | | | |
| File Format | SOR standard file format | | | | | | | |
| Data Storage | Internal: 8GB ($\geq 200,000$ curves) | | | | | | | |
| Data Interface | USB Type C | | | | | | | |
| Optical Interface | FC/UPC (Interchangeable SC, ST) | | | | | | | |
| Standard VFL Output Power | $\geq 10\text{mW}$ | | | | | | | |
| RJ45 Cable Test Distance | $\geq 300\text{m}$ | | | | | | | |
| Display & Size | 4.3 inch multi-points capacitive touch screen | | | | | 174mm*92mm*45mm & 0.4kg | | |