

Jilong OTDR

Variants

KL-6300-S5

Details

PROFESSIONAL FIBER TESTING PLATFORM

Single Mode • Multimode • PON • Up to 45/43dB • OPM • SLS • VFL • WiFi •
RJ45 Test

The **KL-6300 Series OTDR** is a professional optical fiber testing platform available in multiple configurations for **Single Mode, Multimode and PON network testing**.

Depending on the selected model, the series supports dynamic ranges up to **45/43dB** and integrates multiple field-testing functions including **Optical Power Meter (OPM), Stabilized Light Source (SLS), Visual Fault Locator (VFL), Link Map, RJ45 network testing, WiFi remote control** and optional fiber inspection and GPS functions.

MAX. DYNAMIC RANGE

45/43 dB

DISTANCE RANGE

Up to 320KM

SAMPLING POINTS

250,000

BATTERY

10,500mAh

OTDR Model Comparison

Model	S1	S2	S3	S4	S5	P1
Full Model	KL-6300-S1	KL-6300-S2	KL-6300-S3	KL-6300-S4	KL-6300-S5	KL-6300-P1
Wavelength	1310 / 1550nm					1310 / 1550 / PON
Dynamic Range	32/30dB	35/33dB	40/38dB	42/40dB	45/43dB	32/30/28dB
Optical Ports	1	1	1	1	1	2
Event Dead Zone	0.8m					1m
Attenuation Dead Zone	3m	3m	2.5m	2.5m	2.5m	3m
Splitter Measurement	Max. 32	Max. 64	Max. 128	Max. 32	Max. 64	—

OTDR Measurement Performance

Parameter	Specification
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Applicable Fiber	SM (ITU-T G.652)
Distance Range	0.1, 0.3, 0.5, 1.3, 2.5, 5, 10, 20, 40, 80, 120, 160, 260, 320 km
Pulse Width	3, 5, 10, 30, 50, 100, 200, 300, 500, 1000, 2500, 5000, 10000, 20000 ns
Sampling Points	Maximum 250,000
Sampling Resolution	Minimum 0.04m
Distance Accuracy	$\pm (0.75\text{m} + \text{Measurement Distance} \times 2 \times 10^{-4} + \text{Sampling Resolution})$
Loss Accuracy	$\pm 0.03 \text{ dB/dB}$
Return Loss Accuracy	$\pm 2\text{dB}$

Built-In Testing Functions

OPM Optical Power Meter
SLS Stabilized Light Source
VFL 10mW Visual Fault Locator
Link Map Fiber Link Visualization

RJ45 Test

CAT5 / CAT6 up to 300m

WiFi

Data Transfer & Remote Control

Fiber Inspection

Optional 400X FIP

GPS

Optional Location Function

Optical Power Meter (OPM)

Wavelength Range	800 – 1650nm
Measurement Range	-70 to +6dBm
Measurement Accuracy	±0.2dB or ±5%
Display Resolution	0.01dB
Input Interface	2.5mm Universal Ferrule for SC / FC / ST

Light Source & Visual Fault Locator

Function	Parameter	Specification
SLS	Wavelength	1310/1550, 1310/1550/1625, 850/1300 or 850/1300 + 1310/1550nm

Function	Parameter	Specification
Output Power	? -10dBm	
Modulation	CW / 270Hz / 1kHz / 2kHz	
VFL	Wavelength	650 ±10nm
	Output Power	10mW
	Operating Mode	CW / CHOP (2Hz)

General Specifications

Parameter	Specification
Link Map	Supported
Pass / Fail Judgment	Supported
PC Analysis Software	Supported
Optical Connector	FC/UPC (SC/UPC and LC/UPC Optional)
Display	7-inch Touch Screen, 1024 × 600 Resolution
Interfaces	Charging Ports × 2, 12V / 2.5A & Type-C
Battery	7.4V / 10,500mAh / ?77Wh
Operating Time	Approx. 12 Hours

Parameter	Specification
Internal Storage	?10,000 OTDR Traces
External Storage	USB Memory
Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +60°C
Maximum Altitude	4000m
Power Requirement	100–240V AC, 50/60Hz
Dimensions	232 × 161 × 70mm (W × H × D)
Weight	Approx. 1.6kg including internal battery and protectors, excluding OTDR unit and options

Applications

FTTH / FTTx Installation • ISP Fiber Maintenance • PON Network Testing • Optical Fiber Troubleshooting • Backbone Fiber Testing • Data Center Fiber Testing • Telecom Network Maintenance • Multimode & Single-Mode Fiber Testing

Select the Correct KL-6300 Configuration

Wavelength, dynamic range, optical port quantity and supported measurement functions vary according to the selected **KL-6300 model**. Please confirm the required model and testing application before ordering.