P60 Rechargeable Professional 8-in-1 OTDR · 1310/1550 nm · 24/22 dB · Up to 60 km

Professional Installations / OTDR & Test Equipment

8-in-1 OTDR · 1310/1550 nm · 24/22 dB · Up to 60 km · 3.5-inch color LCD · Micro USB and TF card.

KG-FT-OTDR-P60

Fiber type
Single-mode G.652

Wavelength
1310/1550 nm

Dynamic range
24/22 dB

Key features

- Single-mode G.652 OTDR with dual wavelengths of 1310/1550 nm.
- Dynamic range of 24/22 dB and measurement up to 60 km.
- 3 m event dead zone and 8 m attenuation dead zone.
- Eight functions: OTDR, OPM, light source, event map, VFL, RJ45 sequence, RJ45 length/location and LED.
- 3.5-inch color LCD with F1–F4 buttons, zoom, measurement and navigation.
- Rechargeable 4000 mAh battery and Micro USB port for charging and data.
- TF (Micro SD) slot for storing results.
- FC/PC connector with SC/ST adapters according to configuration.
- LED flashlight for dark areas and rubber side protectors.

Technical specifications

Parameter	Specification
Fiber type	Single-mode G.652
Wavelength	1310/1550 nm
Dynamic range	24/22 dB

Technical specifications

Parameter	Specification
Measurement range	3 m–60 km
Event dead zone	3 m
Attenuation dead zone	8 m
Pulse width	5–10000 ns
Distance accuracy	±(1 m + sampling interval + 0.005% × distance)
Linearity	±0.2 dB/dB
Sampling points	16k–128k
Sampling resolution	0.05–8 m
Reflectance accuracy	±3 dB
File format	SOR
Connector	FC/PC; Interchangeable SC/ST
OPM	800–1700 nm, -50 to +26 dBm, accuracy ±5%, CW/270/330/1k/2k
Calibrated OPM wavelengths	850/1300/1310/1490/1550/1577/1625 nm
Laser source	1310/1550 nm, ≥-5 dBm, CW/270/1k/2k
VFL	650 ±20 nm, ≥10 mW, CW/1 Hz/2 Hz
Integrated functions	OTDR / OPM / stable light source / event map / VFL / RJ45 sequence / RJ45 length and location / LED
Screen	3.5-inch color LCD
Controls	Physical F1–F4 buttons, zoom, measurement, navigation, confirm and back
Interface / memory	Micro USB for charging and data / TF card (Micro SD)
Additional ports	RJ45 test and reset hole
Battery / power supply	Rechargeable 3.7 V, 4000 mAh / 5 VDC 2 A
Runtime	Standby >20 h; measurement >12 h
Environment	Operation -10 to +50 °C; storage -40 to +70 °C; 0–95% RH
Dimensions / weight	173 × 82 × 37 mm / ≤350 g
Warranty	3 years

Applications

Technical certification of single-mode links
Bidirectional characterization where required by the procedure, recording distance, losses and events.

Location of losses, splices and connectors
Trace analysis to locate reflective and non-reflective events along the link.

FTTH, FTTx and telecommunications installation
Field acceptance and maintenance of drops, backbones and access links.

Professional multi-tool diagnostics
Complementary use of OTDR, OPM, optical source and VFL to investigate faults from different perspectives.

OTDR configuration and link validation
Set wavelength, range, pulse and refractive index; use launch/receive cables and save the SOR trace.

Packaging & contents

P60 OTDR USB charging cable Power adapter Optical adapter according to configuration Instruction manual Packaging box

Warranty

KONGIA 3-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant