

C80 Rechargeable Compact Multifunction OTDR · 80 km · 1310/1550 nm · 3.5-inch Touchscreen

Professional Installations / OTDR & Test Equipment

Rechargeable OTDR up to 80 km · 1310/1550 nm · 22/20 dB · 3.5-inch touchscreen · OPM, VFL, light source and event map.



OTDR COMPACTO MULTIFUNCIÓN

C80 · 80 km · 1310/1550 nm

Pantalla táctil 3,5" · Recargable · USB-C

Mapa de eventos · VFL · LED · 220 g

KG-FT-OTDR-C80

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Fiber type

Single-mode G.652D

Wavelength

1310/1550 nm ± 20 nm

Dynamic range

22/20 dB

Key features

- Single-mode G.652D OTDR at 1310/1550 nm with 22/20 dB dynamic range.
- Measurement ranges up to 80 km and a 2 m event dead zone.
- 3.5-inch capacitive color screen with multi-touch control.
- Integrated OTDR, OPM, VFL, light source, event map and loss test.
- Rechargeable lithium battery and low-power design.
- USB-C for charging and data transfer
- compatible with USB flash drives.
- Internal storage for at least 400 records and SD card expansion.
- Integrated flashlight and carrying case.

Technical specifications

Parameter	Specification
Fiber type	Single-mode G.652D
Wavelength	1310/1550 nm ± 20 nm
Dynamic range	22/20 dB

Technical specifications

Parameter	Specification
Event dead zone	2 m
Attenuation dead zone	8 m
Distance ranges	100 m / 500 m / 1 / 2 / 5 / 10 / 20 / 40 / 60 / 80 km
Pulse width	5 ns to 10 μ s
Distance accuracy	$\pm(1 \text{ m} + \text{sampling interval} + 0.005\% \times \text{distance})$
Linearity	$\pm 0.2 \text{ dB/dB}$
Sampling points	Maximum 20,000
Sampling resolution	25 cm-8 m
Loss / distance resolution	0.001 dB / 0.001 m
Reflectance accuracy	$\pm 3 \text{ dB}$
File format	Standard SOR
Integrated functions	OTDR / event map / OPM / light source / VFL / loss test / flashlight
OPM	850/1270/1300/1310/1490/1550/1577/1610/1625/1650 nm; ranges -70 to +10 dBm or -50 to +26 dBm
VFL	650 nm, $\geq 10 \text{ mW}$
Screen	3.5-inch capacitive color screen; multi-touch control
Battery	Rechargeable lithium, 2000 mAh
Charging and transfer	USB-C
Interface and memory	USB-C; USB flash drives; ≥ 400 internal records; SD card
Environment	Operation -10 to +50 °C; storage -40 to +70 °C; 0-90% RH
Dimensions / weight	135 × 78 × 35 mm / approx. 220 g
Recommended configuration	TL295-D22 / SC/UPC / English interface
Warranty	3 years

Applications

Single-mode link characterization

Event location and loss estimation along installed optical links.

FTTH and FTTx installation and maintenance

Diagnosis of drops, splitters, splices and connectors during activation or repair.

Continuity and optical power measurement

Supplementary checks to confirm signal presence and received level in the field.

Portable diagnostics for field technicians

Routine link assessment from terminal boxes, ODFs and customer access points.

Test configuration and launch cable

Select the appropriate fiber, wavelength, range and pulse; use launch/receive cables to evaluate end connectors.

Packaging & contents

C80 OTDR USB-C charging cable Cleaning swabs Instruction manual Carrying case Packaging box

Warranty

KONGIA 3-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant