OTDR K-600

A platform OTDR for FTTx, metro and backbone work: choose the wavelength set and dynamic range the network needs, read it on a 5.6-inch touch screen, and keep more than 10,000 traces on the SD card.

One OTDR platform, configured for the network in front of it: 1310/1550 nm builds up to 40/38 dB for backbone and metro spans, a triple-wavelength 1310/1490/1550 build for PON, a 1625 nm build for live-fiber monitoring, and multimode 850/1300 nm. Short dead zones, a 5.6-inch touch screen and a built-in VFL cover the daily work around the long traces.



K-600 OTDR front view showing a measurement trace on the 5.6-inch touch screen

Key Features

- Configurations, not compromises: single-mode 1310/1550 nm at 32/30, 38/36 or 40/38 dB, triple-wavelength 1310/1490/1550 nm for PON work, a 1625 nm build for live-fiber monitoring, and multimode 850/1300 nm — one platform, specified per order
- Short dead zones for dense plant: event dead zone at or under 1.8 m and attenuation dead zone at or under 10 m, so connectors and splices packed into a cabinet or closure still separate on the trace
- Fast in the field: 0.2 s typical real-time refresh, intelligent one-touch testing, measurement times from 5 seconds to 3 minutes, and a built-in 650 nm VFL (up to 3 km) for the short visible checks
- Built to be carried: dustproof, shockproof casing at 1.5 kg, a lithium battery good for eight hours or more, and traces stored on SD card and moved over USB or Ethernet

Specifications

Wavelength options	850/1300 nm (multimode); 1310/1550 nm; 1310/1490/1550 nm; 1625 nm
Dynamic range	Up to 40/38 dB (1310/1550 nm) — by build; see the model table
Pulse width	5–20480 ns (single-mode); 5–1280 ns (multimode)
Event dead zone	≤1.8 m
Attenuation dead zone	≤10 m
Display	5.6 in LCD touch screen
Linearity	±0.05 dB/dB
Loss threshold	0.05 dB
Loss resolution	0.001 dB
Sampling resolution	0.125–8 m
Sampling points	32K
Distance uncertainty	±(1 m + 5×10□⁵ × distance + sampling interval)
Distance range	0.3–180 km
Real-time refresh	0.2 s (typical)
Trace storage	SD card (16 G), >10,000 traces

Measurement duration	5 s, 10 s, 15 s, 30 s, 1 min, 2 min, 3 min (selectable)
Optical interface	FC/UPC (PC and APC selectable)
Data interfaces	USB, SD card, Ethernet
Built-in VFL	650 nm, ≥-3 dBm, max. testing distance 3 km
Battery	Lithium battery, ≥8 h continuous working
Dimensions	150 × 235 × 66 mm
Weight	1.5 kg
Operating temperature	-10 °C to +50 °C
Storage temperature	-30 °C to +70 °C
Relative humidity	0–95% (non-condensing)

Model Guide — Choose Your Configuration

Model	Wavelengths	Fiber	Dynamic range	VFL
K-600-M1	850/1300 nm	Multimode	20/18 dB	Built-in
K-600-M2	850/1300 nm	Multimode	23/21 dB	Built-in
K-600-S1	1310/1550 nm	Single-mode	32/30 dB	Built-in
K-600-S2	1310/1550 nm	Single-mode	38/36 dB	Built-in
K-600-S3	1310/1550 nm	Single-mode	40/38 dB	Built-in
K-600-P1	1310/1490/1550 nm	Single-mode	32/30/30 dB	Built-in
K-600-P2	1310/1490/1550 nm	Single-mode	36/34/34 dB	Built-in
K-600-L1	1310/1550/1625 nm	Single-mode	32/30/28 dB	—
K-600-L2	1310/1550/1625 nm	Single-mode	38/36/34 dB	—
K-600-C1	850 + 1310/1550 nm	Multimode + single-mode	22/30/28 dB	—
K-600-C2	850/1300 + 1310 nm	Multimode + single-mode	20/18/30 dB	—
K-600-C3	850 + 1310/1550 nm	Multimode + single-mode	25/30/28 dB	—
K-600-C4	850/1300 + 1310 nm	Multimode + single-mode	23/21/30 dB	—
K-600-C5	850/1300 + 1310/1550 nm	Multimode + single-mode	20/18/30/28 dB	—

Quote the model code with your inquiry — we confirm the build and lead time with your quote.

More Views



Views and ports — VFL / OTDR on top, LAN / USB / SD on the side

In Use

Set the wavelength and let intelligent testing pick pulse width and averaging, or set them by hand — 5 ns for fine detail, up to 20480 ns for reach. Save the trace to the SD card; more than 10,000 traces ride along for comparison against the as-built reference on the next visit. Use the built-in VFL for the short visible checks before the OTDR comes out.

Private Label & OEM

Supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, so the goods arrive ready for your warehouse. Custom barcode & contract labeling is applied to every inner box and outer carton to your receiving specification.

In the Box

One K-600 OTDR (configuration as ordered); Lithium battery (fitted); Power adapter / charger; SD card; Carry case.