OTDR K-610

A 7-inch tablet OTDR platform for trunk and metro work — dual-wavelength builds climbing to 45/43 dB and 240 km, plus 1625 nm builds that watch live fiber.

A tablet-class OTDR platform on a 7-inch touch screen: ten builds on one body. Seven dual-wavelength 1310/1550 nm builds climb from 24/22 dB for access work to 45/43 dB and 240 km for trunk maintenance; three triple-wavelength builds add a filtered 1625 nm channel that watches live fiber. An optical power meter and a light source are available as fitted options on the dual-wavelength builds.



K-610 OTDR platform with 7-inch touch screen showing the OTDR, power meter, light source and VFL home screen

Key Features

- Ten builds, one platform: seven dual-wavelength 1310/1550 nm builds from 24/22 dB to 45/43 dB, and three triple-wavelength builds with a 1625 nm channel for live-fiber monitoring
- Tablet working: a 7-inch capacitive touch screen with gesture zoom on the trace, one-key testing, and fast and accurate modes for opening and maintaining networks
- Short dead zones on the high builds — event dead zone down to 0.8 m and attenuation dead zone down to 4.5 m, so close-spaced events on dense plant still separate
- Dual-wavelength traces show macrobends directly; live-signal alarm protects the optics, and the module self-test reports the OTDR's own health
- Options fitted to order: an optical power meter (two detector grades) and a 1310/1550 nm light source on the dual-wavelength builds — say so with your inquiry and we build it in

Specifications

Wavelengths	1310/1550 nm dual-wavelength builds; 1310/1550/1625 nm triple-wavelength builds; M builds add 850/1300 nm multimode — see the model table
Dynamic range	24/22 to 45/43 dB (dual-wavelength); 32/30/30 to 40/38/38 dB (triple-wavelength)
Distance range	0.5 to 160 km or 0.5 to 240 km, by build
Event dead zone	0.8 to 2 m, by build
Attenuation dead zone	4.5 to 10 m, by build
Pulse widths	5 ns to 20 µs
Distance accuracy	±(1 m + sampling resolution + distance × 0.005%)
Linearity	±0.05 dB/dB
Fiber type	Single-mode; single + multimode on the M builds
Display	7-inch capacitive touch screen
Optical connector	FC / SC / ST universal
Storage	10,000 traces; USB expansion supported
Visual fault locator	Built-in, 650 nm, FC/UPC interface
Optical power meter	Optional on dual-wavelength builds: InGaAs, -60 to +16 dBm (grade A) or -50 to +26 dBm (grade B), 800–1700 nm; not fitted on the 1625 nm builds

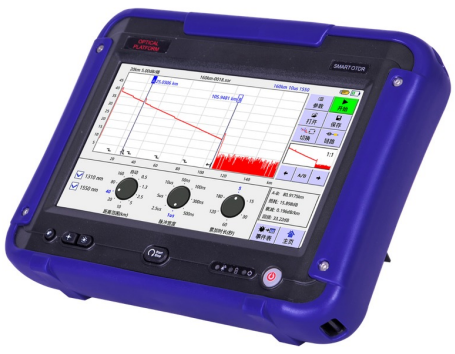
Light source	Optional: 1310/1550 nm, output ≥ -7 dBm, shares the OTDR interface
Battery	Lithium battery, >10 h continuous working
Dimensions	210 × 160 × 45 mm
Weight	0.98 kg

Model Guide — Choose Your Configuration

Model	Wavelengths	Fiber	Dynamic range	VFL
1310/1550 nm dual-wavelength builds				
K-610-S1	1310/1550 nm	Single-mode	24/22 dB	Built-in
K-610-S2	1310/1550 nm	Single-mode	32/30 dB	Built-in
K-610-S3	1310/1550 nm	Single-mode	35/33 dB	Built-in
K-610-S4	1310/1550 nm	Single-mode	37/35 dB	Built-in
K-610-S5	1310/1550 nm	Single-mode	40/38 dB	Built-in
K-610-S6	1310/1550 nm	Single-mode	42/40 dB	Built-in
K-610-S7	1310/1550 nm	Single-mode	45/43 dB	Built-in
1310/1550/1625 nm builds — the 1625 nm channel watches live fiber				
K-610-L1	1310/1550/1625 nm	Single-mode	32/30/30 dB	Built-in
K-610-L2	1310/1550/1625 nm	Single-mode	35/33/32 dB	Built-in
K-610-L3	1310/1550/1625 nm	Single-mode	40/38/38 dB	Built-in
Single + multimode integrated builds				
K-610-M1	850/1300 nm	MM	22/20 dB	Built-in
K-610-M2	850/1310/1550 nm	MM + SM	22/32/30 dB	Built-in
K-610-M3	850/1300/1310/1550 nm	MM + SM	22/20/32/30 dB	Built-in
K-610-M4	850/1300/1310/1550 nm	MM + SM	22/20/35/33 dB	Built-in

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

More Views



The OTDR trace view — pinch to zoom into an event

In Use

Pick the build by the longest, worst span on your patch: 24/22 dB covers access and campus fiber; the 40 dB class and up earns its keep on trunk acceptance and fault location over 200 km. Use the fast mode to open a network and the accurate mode to maintain it; the dual-wavelength traces expose macrobends directly, and a 1625 nm build monitors an in-service fiber without disturbing the traffic wavelengths.

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

K-610 OTDR main unit; AC/DC adapter; 4 GB USB flash disk; Calibration certificate; Quick user manual; FC optical connectors ×2.