KI 2000 Series LS / LTS / 2-way LTS / PM General Features

Revision: 5

Full Feature Family

Full featured handheld optical Power Meter (purple), Light Source (yellow), Loss Test Set (red).

Calibrations of all instruments are ISO 17025 traceable.

All Systems

Models for all fiber optic systems inclusive of Telco, PON, LAN, WAN, MPO/MTP Ribbon fiber, POF.
A meter can test many fiber & connector types.

Ease of Use

Fewer key-strokes with custom LCD and 3λ loss test display, Autotest & guided button usage.

VisiTester Option

Mixes a laser VFL with Autotest Light Source, so the active test fiber winks, making it obvious.

Long Battery Life

Just 2x AA batteries work for 1000 hours for Power Meter, 90 hours for Light Source & Loss Test Set. Choice of batteries is available with a jumper selectable battery charger.

Total Uncertainty Specification

The Power Meter's unique Total Uncertainty Specification covers accuracy over all power levels, temperatures, connector and fiber types.

USB Key Data

Results in internal memory can be copied onto a USB memory key with one button push, providing unlimited test data storage capacity, backup or send from a cell phone.

Class 1 Laser

Kingfisher Laser Light Sources are Class 1 as per international laser eye safety standard, IEC 60825-2 (2011).

Autotest

Provides automatic real time multi λ loss testing up to 6 λ, with up to 3 λ displayed at once, with the respective source power levels. Use any Autotest source / meter / LTS with matching λ.
One key-stroke to set all references or store all reading.

Encircled Flux Compliant Multimode Light Sources

All LED sources are Encircled Flux (EF) standards compliant, to provide the most consistent and reliable testing results.

Large LCD Display

The large custom LCD screen, is sunlight readable & backlit. It displays loss test data for 3 λ including reference or source power levels in Autotest.

Ribbon Fiber Test

The large detector area XL-version Power Meter is ideal for testing MPO/MT/MTP ribbon fiber connectors up to 72 fibers, 1 mm POF, fiber bundles, or any fiber with an active area up to 3 mm across.

USB Power & Charging

Instruments can be powered or charged (if re-chargeable batteries are fitted) via micro-USB.

Text Naming for Test Data

Loss test results can be stored in the large memory, along with a user-input cable name. Capacity is 1000 4-λ tests with text, timestamp, reference levels etc.

Test Tone with Multi-Fiber ID Function

Multi-Fiber ID Sources and meters provide a tone feature which can uniquely identify up to 12 fibers, in addition to common test tones, perfect for high density polarity and continuity testing.

Captive Dust Cap

The flip-over captive dust cap functions as tilt bail when open.

Other Features

- Useful standard accessories include pouch & wrist strap, connectors & documentation.
- Selectable auto-off & low battery indicator
- Versatile, rugged, reliable, moisture resistant constructions
- Power averaging mode for modulated signal
- Max / Min recording & display hold
- Displays mW, µW, nW, dB, dBm to 0.01 dB resolution
- Zero-warm up time Light Source option
- Up to 6 mixed LED, Laser & VFL Light Sources
- Up to 25 genuine Power Meters calibration wavelengths
- 3 ~ 7 Year warranty
- 2-way LTS capable of ORL & Length measurements
- 2-way LTS with large memory for 10,000 fibers
- ILAC/ ISO 17025 traceable calibration certificate

Interchangeable Connector

The practical interchangeable optical connectors are dust & drop protected and very simple to swap over or clean. Refer to Kingfisher's websites below for details;

For standard instrument

For XL Power Meter

Most Kingfisher adaptors are metal free to avoid contamination of connectors in high power systems.