# K-PV1 Power Meter + 10 mW VFL Multi-Meter

A -70 to +10 dBm power meter and a 10 mW red-light locator in one housing — plus RJ45 sequence testing and an LED work light.

On a combined visit the questions arrive in pairs: the level is low — at the source, or lost on the way? The meter answers in dBm; the built-in 10 mW red light shows where the light escapes. The K-PV1 carries both in one chunky housing, adds an RJ45 sequence test for the copper half of the install, and an LED for the dark half of the plant.



K-PV1 line-up — the case colours of the range

## Key Features

- Two instruments share the top of the housing: a power meter port and a separate VFL port, so the red light is a proper 10 mW locator with its own 2.5 mm universal connector
- -70 to +10 dBm, InGaAs detector, seven working wavelengths (850-1625 nm); wavelength, nW and dBm together on the backlit screen
- RJ45 sequence testing with a plug-in remote unit, up to 300 m — split pairs and crossed cores on the LAN run, proven on the same visit
- Built-in LED work light for closures and cabinets
- Rechargeable lithium battery with over 120 hours of meter use per charge, topped up over USB Type-C — no dry-battery stock to manage
- Chunky soft-case housing in four colours, screen recessed behind a raised frame — built for tool bags and splice vans
- Private labeling made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, ready for your warehouse

## Specifications

| | |
|---|---|
| **Measurement range** | -70 to +10 dBm |
| **Standard wavelengths** | 850 / 980 / 1300 / 1310 / 1490 / 1550 / 1625 nm |
| **Wavelength range** | 850–1625 nm (detector response 800–1700 nm) |
| **Detector** | InGaAs |
| **Uncertainty** | ±5% |
| **Display resolution** | 0.01 dBm (logarithmic) / 0.1% (linear) |
| **Display** | Backlit LCD showing wavelength, linear power (nW) and dBm together |
| **VFL (red light source)** | 650 nm, 10 mW; steady-on and blink modes; 2.5 mm universal connector |
| **RJ45 test** | Cable sequence test with plug-in remote unit, up to 300 m |
| **Lighting** | Built-in LED work light |
| **Functions** | Relative power (dB) with reference setting; auto power-off after 10 min |
| **Connector** | Universal joint for SC / FC / ST |
| **Power supply** | Rechargeable lithium battery, USB Type-C charging; over 120 h (OPM) |

| | |
|---|---|
| **Operating temperature** | -10 °C to +50 °C |
| **Storage temperature** | -40 °C to +70 °C |
| **Housing colours** | Teal, purple, blue-grey or green soft case |

## Two Views

From the front, the six keys sit under the three-reading display — power, wavelength, dB, LIGHT, RJ45/VFL and LED — with the light window below the keypad. From an angle, the two top ports show separately: meter on one side, VFL on the other.



Front — keypad and LED window



Angled — the two top ports

## In Use

Set the wavelength to the service under test and read the level; set a reference when you need loss in dB. Prove the run with the red light from its own port — steady to identify the far end, blink to pick one fiber from a tray. Finish the visit on copper: remote unit on the far end of the LAN run, sequence walked core by core. Two ports means two dust caps: keep both closed, and clean the VFL connector like any other launch — a dirty launch makes a dim locator.

## OEM & Private Label

The K-PV1 is supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the tools, the inner boxes and the 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.