

## Visual Fault Locator Fibrain FB9214

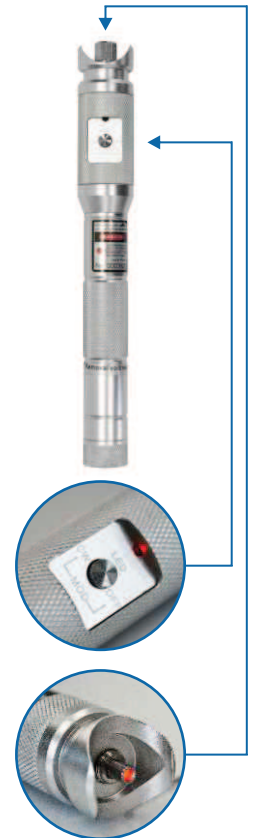
Fibrain FB9214 Visual Fault Locator (fiber continuity tester) is an indispensable tool for detecting discontinuities in fiber path and points of leakage of optical power such as macrobends, fiber or splice cracks, disconnected connectors etc. Fibrain FB9214 works with both singlemode and multimode fibers. The tester emits red light at a wavelength of 650 nm and can be operated in continuous mode or with two different modulation frequencies. By using the stabilized power supply, the optical power is constant regardless of the battery level. The use of original Japanese laser diodes guarantees a long life, no darkening with age and low power consumption, a long battery life, as well as high power coupling efficiency to the fiber and thus achieving long ranges, despite of utilizing optically safe laser power. A unique safe-storing mechanism with rotating ring prevents an accidental activation of the switch in the bag and a consequent battery discharge. FB9214 locator is supplied in a handy protective case.

### Functionalities:

- **Japanese laser diodes** with long lifetime and low power consumption,
- 650 nm wavelength red laser,
- **5 mW** and **10 mW** versions, very good power coupling efficiency – **long ranges**,
- compatible with SM and MM fibers,
- continuous mode of operation and 3 Hz and 9 Hz modulation,
- continuous battery operation time  $\geq 20$  h,
- 2.5 mm universal optical adapter,
- rotating ring which prevents the device from accidentally turning on
- protective case included.

### Offered versions:

- FB9214-5-25 – visual fault locator, 2.5 mm universal adapter, 5 mW optical power, 650 nm laser,
- FB9214-10-25 – visual fault locator, 2.5 mm universal adapter, 10 mW optical power, 650 nm laser.



### Technical data

#### Optical and functional parameters

Laser wavelength [nm]	650 $\pm$ 10
Emitted optical power [mW]	5 / 10
Approximate range [km]	5 / 10
Compatibility with fiber types	Singlemode / Multimode
Mode of operation	Continuous, 3 Hz, 9 Hz
Typical continuous battery life [h]	$\geq 20$
Battery type	2x AA
Optical adapter type	2.5 mm universal
Weight [g]	120
Dimensions [mm]	25x190
Temperature of operation [°C]	-20/+60
Humidity	10%/90% No condensation