OPTICAL FIBER IDENTIFIER

PROLITE-30

- Handheld, easy to use
- Equipped with corresponding adapter for bare fibre and tail fibre
- Intensity display of optical signal
- Low battery indication
- Buzz indication function
- Display of transmission direction of light
- Identification of various signal frequency: 270 Hz, 1 kHz, 2 kHz

The **PROLITE-30** series are handheld, easy-to-use optical test instruments that identify optical fibres without any damage by detecting the optical signals being transmitted through the fibers. By non-destructive macroband detection technology & mechanism damp technology, it avoids opening the fiber at the splice point for identification and interrupting service.

The **PROLITE-30** can accurately detect the optical signals, signal directions and the presence of 2 kHz modulated tone. It can test all kinds of fibres, including fibres of 250 um and 900 um as well as jacketed fibers of 2 mm and 3 mm.

With its wide dynamic range, **PROLITE-30** can efficiently identify the wide-spectrum signals, such as signals in CATV system and EDFA. Therefore it can be used in all the physical layer testing of SONET/SDH & DWDM systems.

SPECIFICATIONS	PROLITE-30
Optical specifications	
Wavelength range for identication	800 ~ 1700 nm
Signal Type	Continuous wave, 270 Hz ±10%, 1 kHz ± 10%, 2 kHz ± 10%
LED Display	Signal, direction, frequency (270 Hz, 1 kHz, 2 kHz), intensity (5 class), low battery
Type of Detector	InGaAs
Detect Sensitivity	Over-55 dBm (at 1310 and 1550 wavelength)
Fibre Type	250 µm, 900 µm and 2 mm, 3 mm Jacketed fibre
Typical Loss	H0.25 ~ H0.9: 1 dB H2.0 ~ H2.5: 0.5 dB H2.5 ~ H3.0: 1.0 dB
Power supply	
Battery	9V alkaline battery
Battery life	≥ 16 h. typical operation
Operating environmental conditions	
Work temperature	From 0 ºC to 40 ºC
Storage temperature	From -20 ºC to 60 ºC
Relative humidity	From 0 to 95% (non-condensing)
Mechanical features	
Dimensions	200 (H) x 80 (W) x 50 (T)
Weight	0.2 kg