



- Pocketsize, large LCD display, easy to use
- Fast response, no warm up
- Measure six wavelengths through a single connector
- Direct loss measurements units in dB
- Absolute power measurement units in dBm and W (or  $\mu$ W)
- Interchangeable fibre-optics connectors (FC/PC, or optional SC, ST)
- Dual-way powering system (9V battery or an optional power adapter)
- Damp, dust and shock proof design
- PC software available for testing data collection and report generation
- Auto off function conserving battery life

The **PROLITE-23** optical power meters are compact, lightweight and easy-to-use instruments for optical fibre network, with unique characteristics of quick testing. Widely favored for their quality, value, reliability, accuracy and safety, The pocketsize **PROLITE-23** can support accurate testing of single mode and multimode optical fibre systems, with features of large LCD display, damp and shock proof design and dual-way powering system.

The internal microprocessor and lineal amplifier technology ensure the long-time accuracy. Besides, **PROLITE-23** has a large memory capacity of 3200 records and can transfer the measurement data to a PC for editing and printing.

Ideal for both laboratory and field applications by using concise function keys to implement quick, high accuracy testing. Under the situation of laboratory, LANs, WANs and CATV as well as long-distance optical network, the Optical Power Meters, together with a stabilized laser source, can be used to identify optical fibre, measure optical attenuation, verify continuity and evaluate fibre link transmission quality.

| SPECIFICATIONS                            | PROLITE-23                                                                             |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| <b>General</b>                            |                                                                                        |
| Calibrated Wavelength                     | 850, 1300, 1310, 1480, 1550 nm                                                         |
| Measurement Range                         | From -60 to +17 dBm                                                                    |
| Data Storage                              | 3200 records                                                                           |
| Interface                                 | RS-232                                                                                 |
| Functions                                 | W / $\mu$ W / dBm / dB (REF), auto-zeroing, data hold (when operated by RS-232C), etc. |
| Accuracy                                  | $\pm 0.25$ dB (5%) at 25 °C & -10 dBm                                                  |
| Resolution                                | 0.01 dB                                                                                |
| Detector Type                             | InGaAs                                                                                 |
| Optical Connector                         | FC / PC (interchangeable SC, ST)                                                       |
| <b>Power Supply</b>                       |                                                                                        |
| Power                                     | 9 V Alkaline battery, optional 9V AC adapter                                           |
| Battery Life                              | 30 hours typical operation with 9V Alkaline                                            |
| Auto Power Off                            | 5 minutes after last key has been depressed                                            |
| <b>Operating environmental conditions</b> |                                                                                        |
| Operating temperature                     | 0 °C to 50 °C                                                                          |
| Storage temperature                       | -20 °C to 60 °C                                                                        |
| Relative humidity                         | 0 to 95% (non-condensing)                                                              |
| <b>Mechanical features</b>                |                                                                                        |
| Dimensions                                | 147 (H) x 75 (W) x 25 (T) mm.                                                          |
| Weight                                    | 420 g.                                                                                 |

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE