

DEVISER OTDR AE1001

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Variants

UPC APC

Details

DEVISER OTDR AE1001 UPC/APC

| Category | Specification |
|-----------------------|---|
| Model | DEVISER AE1001 |
| Product Type | Mini OTDR with OPM & VFL |
| Application | FTTH / FTTx installation, testing & maintenance |
| Display | 4.3" TFT LCD touchscreen (high/low light visible) |
| Design | Ultra-portable, lightweight (< 1 kg) |
| Test Speed | Dual wavelength test ? 5 sec |
| Wavelength | 1310 / 1550 nm |
| Dynamic Range | 26 dB (1310 nm) / 24 dB (1550 nm) |
| Event Dead Zone | ? 3 m |
| Attenuation Dead Zone | ? 10 m |
| Measurement Range | 150 m – 80 km |
| Pulse Width | 3 ns – 20 ?s |
| Sampling Resolution | Auto / High-resolution mode |
| Sampling Points | Up to 12,800 |
| Refractive Index | 1.000000 – 2.000000 |

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|-----------------------|---|
| Distance Uncertainty | $\pm(0.75 + 0.005\% \times \text{fiber length} + \text{sampling resolution})$ |
| Linearity | 0.05 dB/dB |
| Loss Threshold | 0.001 dB |
| Loss Resolution | 0.001 dB |
| Reflectance Accuracy | ± 3 dB |
| Refresh Rate | 10 traces/sec |
| Measurement Time | 5 sec – 5 min (Real-time supported) |
| Data Storage | 16 GB (up to 160,000 traces) |
| Optical Power Meter | 1310 / 1550 nm (calibrated), supports 850–1650 nm |
| Power Range | -70 ~ +10 dBm / -50 ~ +26 dBm |
| Power Accuracy | ± 0.23 dB |
| VFL Wavelength | 650 ± 10 nm |
| VFL Output Power | 1 mW |
| Laser Safety | Class II |
| Optical Interface | PC (default), APC optional |
| Connector Type | FC (default), SC / ST / LC optional |
| Interface | USB 2.0, RJ45 LAN (optional) |
| Power Supply | AC 100–240V, DC 12V |
| Power Consumption | < 3 W |
| Battery | 7.4V / 2500 mAh Li-ion |
| Battery Backup | ~6 hours (4 hours continuous testing) |
| Operating Temperature | -10°C to +50°C |
| Storage Temperature | -40°C to +70°C |
| Humidity | 0 – 95% (non-condensing) |
| Dimensions | 180 x 145 x 55 mm |

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|----------|---------------|
| Weight | < 1 kg |

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