# Precision Rated Optics

*Work with a PRO!*

# FBE-300 Series *OTDR*

The PRO FBE-300 is an American-made, Bluetooth-enabled, FiberBase-enabled OTDR that's controllable from any smartphone or tablet running the Android® operating system.

Available in Singlemode, Multimode or Quad versions, the FBE-300 also features one-button Auto-Test, a 2-meter Dead Zone and easy file transfer via USB. When coupled with FiberBase asset management software, the FBE-300 becomes one of the most powerful, flexible OTDRs on the market today.

Manufactured, sold, serviced and supported in the USA, the FBE-300 comes standard with FC/ST and SC adaptors, a universal charger/power adaptor and a 1-year manufacturer's warranty.

- Manufactured in the USA
- SM, MM and Quad Versions Available
- 32 dB Dynamic Range (SM)
- Controllable via Android® Tablet
- 2-Meter Dead Zone

**FBE-300 OTDR Standard Package Includes:**

OTDR, Universal Power Adapter w/US, UK, CE and AU Plugs, Interchangeable FC, ST and SC Adaptors, Windows / Telcordia SR4731 Software, Rubber Boot, USB Cable, Manual on CD

## Ordering Information

| | |
|---|---|
| **FBE-300-SM** | 32/30dB, 1310/1550nm SM with LTS & VIP PORT |
| **FBE-300-MM** | 27/26dB, 850-1300nm MM with LTS & VIP PORT |
| **FBE-300-QUAD** | 27/26/32/30dB 850/1300/1310/1550nm Quad with LTS & VIP PORT |

## SPECIFICATIONS

| | |
|---|---|
| **Dynamic Range** | Singlemode: 32/30dB<br>Wavelength: 1310, 1550, (±20nm) |
| | Multimode: 27/26dB<br>Wavelengths: 850, 1300 |
| **Pulse Width** | 20 ~ 10,000 ns |
| **Units of Measurement** | km, kf |
| **Event Dead Zone** | 2m |
| **Attenuation Dead Zone** | 5m |
| **Resolution** | .25 ~ 64m |
| **Distance Variable** | ±(0.75m + 0.005% x Distance + Sampling Resolution) |
| **Accuracy Range** | 1-64km (MM) , 1-160km (SM) |
| **Typical Real-Time Refresh Rate** | >1Hz |
| **Group Index of Refraction** | 1.024 - 2.048 |
| **Linearity** | ± .05 dB/dB |
| **Memory Capacity** | 1,000 Traces |
| **Communication Ports** | Bluetooth, USB |
| **Power Supply / Charger** | Universal AC/DC |
| **Battery Capacity** | 4 hr. |
| **Connector Types** | FC, ST, SC (Interchangeable) |
| **Warranty** | Standard 1-Year Manufacturer Warranty (Extended Warranty Available) |
| **Operating Temperature** | 14°F ~ 122°F (-10°C ~ 50°C) |
| **Storage Temperature** | -4°F ~ 140°F (-20°C ~ 60°C) |
| **Weight & Dimensions (HxWxD) (Without Rubber Boot )** | 7.62" x 3.88" x 1.56" / 1.4 lb<br>(194 x 99 x 40mm / 0.6 kg) |

P/N: PRO-FBE-300-M v.3.16.15

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