Optical Traffic Identifier
OTI-UP33

INTRODUCTION

Optical Traffic Identifiers are easy to use instruments used to identify optical test tones, live traffic and optical power levels in singlemode fibers.

They are widely used to identify fibers to avoid accidently disconnecting live systems, for checking of continuity and measuring approximate core power in the fiber.

Various field-interchangeable adaptor heads are supplied enabling rapid reconfiguration for a variety of fiber cord diameters with minimal bend loss incurred. Bright two digit LED display and directional LED indicators make operation easier. Instrument can detect a variety of optical tones, which can be provided by OLS-UP30 series laser sources. Made out of an anodized aluminum are lightweight and tough.

FEATURES

- Easy to operate,
- Thumb lock for consistency & hands free operation,
- 4 easy-change adaptor heads for: bare fiber, patch cords & ribbon fiber,
- Identifies 3 common test tones,
- Identifies dominant traffic direction,
- Approximate core power reading,
- Low false detection & insertion loss.

APPLICATIONS

- Positive identification of fibers carrying traffic,
- Positive identification of fibers carrying a test tone,
- Approximate indication of optical power level.

SPECIFICATIONS

Model	OTI-UP33
Detected tones	270 Hz, 1 kHz, 2 kHz
Detected λ	800 ~ 1700 nm
Adaptor heads for fiber types	SMF: 250 μm, 900 μm, 2 mm, 3 mm
Power Reading	-50 ~+10dBm
Detection sensitivity	-46 dBm typ. @ 1310 nm, -50 dBm typ. @ 1550 nm
Insertion loss, typical 250 μm	≤ 0.4 dB @ 1310 nm, ≤ 2.5 dB @ 1550 nm
Insertion loss, typical 3 mm	≤ 0.8 dB @ 1310 nm, ≤ 2.5 dB @ 1550 nm
Display	Traffic direction, Tone frequency, Low battery, Relative core power
Dimensions [mm]	209 x 33 x 31
Weight [g]	215

ORDERING INFORMATION

OTI-UP33 set includes:

- Optical Traffic Identifier
- 4 adaptor heads
- User Guide
- Carry pouch + strap

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