



Ascentac OCI624, Optical Fiber Identifier, can detect optical signal presence, type and direction and measure relative optical power anywhere on a single-mode or multiple-mode fiber. Its reliable and safe macro-bending technique does not disrupt service. Nor does it overstress or damage fibers.

Optical Fiber Identifier

Ascentac OCI624

Quickly and Accurately Identify the Target Fiber without Damaging the Fiber or Disrupting the Network.

| Feature

- Self-contained light shielding cap reduces interference from ambient light.
- Supports multiple fiber diameters – no clamp replacement required.
- Automatic identification of frequency (270Hz, 1kHz, or 2kHz).
- Built-in VFL red light source for fault locating
- Integrated optical power meter.
- Utilizes macro-bending technology for non-destructive measurements.

| Application

- Telecom maintenance
- CATV maintenance
- Optical fiber testing
- Other fiber optic maintenance

Description

The Ascentac OCI624 Series can automatically identify frequencies of 270Hz, 1kHz, or 2kHz. Its LCD display ensures visibility even under direct sunlight, and in bright environments, the device supports ambient light calibration.

The series is compatible with 0.25mm bare fiber and fiber patch cords of 0.9mm, 2.0mm, and 3.0mm. The four-in-one design eliminates the need for changing clamps.

Appearance

- | | |
|-------------------------------|-----------------------|
| 1 Light Shielding Cap | 7 Direction Indicator |
| 2 Universal Fiber Clamp | 8 LCD Display |
| 3 VFL Optical Port | 9 Frequency Indicator |
| 4 OPM Optical Port | 10 VFL Indicator |
| 5 Trigger of Fiber Identifier | 11 Power Indicator |
| 6 VFL & OPM Control Buttons | |



Specification

Optical Fiber Identifier

Wavelength Range (nm)	800 to 1700
Fiber type (mm)	0.25, 0.9, 2.0, 3.0
Optical Power Detection Range (dBm)	-50 to +10
Signal Direction Detection Range (dBm)	-48 to +10
Frequency Detection Range (dBm)	-25 to +10 @ Φ 0.9, Φ 2.0, Φ 3.0 -10 to +10 @ Φ 0.25
Signal Direction Indication	Left, Right
Frequency Recognition (Hz)	270, 1K, 2K
Insertion Loss (dB)	0.8 @ 1310nm 2.5 @ 1550nm

OPM Specification

Wavelength Range (nm)	800 to 1700	
Power Range (dBm)	-70 to +6	-50 to +26
Accuracy (dB)	± 5% (-11dBm , FC Connector)	
Resolution (dB)	0.1	
Calibrated Wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625, 1650	
Optical Connector	Universal 2.5 mm	

VFL Specification

Wavelength (nm)	650 ± 20		
Output Power (mW)	2	10	30
Visual Range (km)	8		
Operation Mode	CW, 1Hz, 2Hz		
Optical Connector	Universal 2.5 mm		

Others

1.3-inch LCD
Buzzer sound alert

Power Supply

Battery Type	9V Alkaline
Battery Life (hours)	10

Environment

Working Temperature (°C)	-10 to 50
Storage Temperature (°C)	-40 to 70
Relative Humidity (%)	5 to 95, non-condensing

Dimension and Weight

L x W x H (mm)	220 x 48 x 40
Weight (g)	200

Standard Accessories

Main Unit, 1 \times 9V Battery ,1-Year Warranty

| Ordering Information

OCI 01-00624-X-X

Power Range (OPM) 

1 : -50dBm to +26dBm

2 : -70dBm to +6dBm

 Output Power (VFL)

0 : None

1 : 2mW

2 : 10mW

3 : 30mW

Example: OCI 01-00624-1-0



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For the latest information regarding this product, please visit our website at <http://www.ascentac.com>



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