## **OPTICAL FIBER IDENTIFIER**



The Optix America optical fiber identifier is suitable for detecting live fiber for 250um, 900um, 2mm, and 3mm fiber. The universal adaptor accommodates all cable diameters with no need to replace the block clamp. It also has a built-in 10mW VFL function.



## **Features**

- Detects attenuation associated with macrobending measurement, the attenuation associated with the bending of optical fiber that causes light to "leak out" of the fiber.
   The light leakage is detected by the fiber identifier in direction and intensity. The fiber cable is not damaged and signal communication is not interrupted.
- Detects Tone Identification by detecting optical signals in the tone signal at a fixed frequency of 270Hz, 1KHz and 2KHz.
- Built-in VFL Function with output power of 10 mW.
- Low Battery Monitoring Function signals when to change the batteries
- Includes soft case and two AA batteries







## **Specifications**

## ## ## ## ## ## ## ## ## ## ## ## ##	Specifications				
250um fiber	Fiber Identifier Function (Basic)				
Pass Through Insertion Loss    900um fiber   1.0dB   3mm fiber   2.0dB	Wave Respond	800nm~1700nm			
Application Fiber 2.0 dB Application Fiber 250 um/900 um/2 mm/3 mm optical fiber  dentified Signal Type 270 Hz/1 KHz/2 KHz  dentification of Modulated Signals YES  Power Measurement YES Display LED segment Tone YES Low Power Monitoring YES  Detector Type 1 mm InGaAs  Minimum Detection Power Test Conditions: 1550 nm 250 um Optical fiber -35 dBm 300 um Optical fiber -30 dBm 3mm Optical fiber -25 dBm 3mm Optical fiber -25 dBm 3mm Optical fiber -25 dBm 4FL Output Power 10 mw Mode CW, 1Hz, 2Hz Fiber Type SM/MM Adapter 2.5 MM Universal (1.25 MM adaptor included)  General Parameters  Power Supply 2*AA 1.5 V Alkaline Battery Sattery Working Time ≥5000 times of measurements  Working Temperature -10	Pass Through Insertion Loss	250um fiber	1.0dB		
Application Fiber  Identified Signal Type  Z70Hz/1KHz/2KHz  Z70Hz/1KHz  Z70Hz/1K		900um fiber	1.0dB		
dentified Signal Type   270Hz/1KHz/2KHz     dentification of Modulated Signals   YES     Power Measurement   YES     Display   LED segment     Tone   YES     LeD segment   YES     Detector Type   Imm InGaAs     Minimum Detection Power     Test Conditions:   1550nm     250umOptical fiber   -35dBm     30mmOptical fiber   -30dBm     30mm Optical fiber   -30dBm     30mm Opt		3mm fiber	2.0dB		
Identification of Modulated Signals   YES	Application Fiber	250um/900um/2mm/3mm optical fiber			
Power Measurement  Power Measurement  Possplay  LED segment  Tone  YES  Low Power Monitoring  YES  Detector Type  Imm InGaAs  Minimum Detection Power  Test Conditions:  250umOptical fiber  35dBm  30dBm  30dBm  30umOptical fiber  30dBm  250umOptical fiber  30dBm  30dBm  400umOptical fiber  30dBm  30dBm  400umOptical fiber  30dBm  400umOptical fiber  30dBm  400umOptical fiber  30dBm  400umOptical fiber  40umOptical fiber	Identified Signal Type	270Hz/1KHz/2KHz			
Display  LED segment  YES  Low Power Monitoring  YES  Detector Type  Imm InGaAs  Minimum Detection Power  Test Conditions: 250 um Optical fiber -35 dBm -30 d	Identification of Modulated Signals YES				
Tone YES Low Power Monitoring YES Detector Type 1mm InGaAs  Minimum Detection Power Test Conditions: 1550nm 250umOptical fiber -35dBm 3mmOptical fiber -30dBm 40umOptical fiber -30dBm 3mmOptical fiber -30dBm 40umOptical fiber -30dBm 40umOptical fiber -25dBm  WFL Function (Standard)  Wavelength 650nm±10nm  WFL Output Power 10mw Mode CW, 1Hz, 2Hz Fiber Type SM/MM Adapter 2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply 2*AA 1.5V Alkaline Battery Battery Working Time ≥ 5000 times of measurements  Working Temperature -10t~+50t Storage Temperature -20t~+70t Dimension 230mm x 43mm x 36mm	Power Measurement	YES			
Tone YES Low Power Monitoring YES Detector Type 1mm InGaAs  Minimum Detection Power Test Conditions: 1550nm 250umOptical fiber -35dBm 3mmOptical fiber -30dBm 40umOptical fiber -30dBm 3mmOptical fiber -30dBm 40umOptical fiber -30dBm 40umOptical fiber -25dBm  WFL Function (Standard)  Wavelength 650nm±10nm  WFL Output Power 10mw Mode CW, 1Hz, 2Hz Fiber Type SM/MM Adapter 2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply 2*AA 1.5V Alkaline Battery Battery Working Time ≥ 5000 times of measurements  Working Temperature -10t~+50t Storage Temperature -20t~+70t Dimension 230mm x 43mm x 36mm	Display	LED segment			
Detector Type         1mm InGaAs           Minimum Detection Power         1550nm           Test Conditions:         1550nm           250umOptical fiber         -35dBm           30mmOptical fiber         -30dBm           30mmOptical fiber         -30dBm           250umOptical fiber         -30dBm           30mmOptical fiber         -30dBm           30mmOptical fiber         -25dBm           VFL Function (Standard)           Wavelength         650nm±10nm           VFL Output Power         10mw           Mode         CW, 1Hz, 2Hz           Fiber Type         SM/MM           Adapter         2.5MM Universal (1.25MM adaptor included)           General Parameters         2*AA 1.5V Alkaline Battery           Power Supply         2*AA 1.5V Alkaline Battery           Battery Working Time         ≥ 5000 times of measurements           Working Temperature         -10t ~ +50t           Storage Temperature         -20t ~ +70t           Dimension         230mm x 43mm x 36mm	Tone				
Minimum Detection Power Test Conditions: 250umOptical fiber 35dBm 30umOptical fiber 35dBm 37mMOptical fiber 30dBm 37mMOptical fiber 30dBm 30mMOptical fiber 30dBm	Low Power Monitoring	YES			
1550nm   250umOptical fiber   -35dBm   -35dBm   -35dBm   -30dBm   -25dBm	Detector Type	1mm InGaAs			
250umOptical fiber -35dBm -35dBm -35dBm -30dBm -25dBm -25	Minimum Detection Power				
-35dBm -3mmOptical fiber -3mmOptical fiber -30dBm	Test Conditions:				
### Test Conditions: ### 1310nm ### 250umOptical fiber ### 250umOptical fiber ### 30dBm ### 30d	250umOptical fiber				
Test Conditions:         1310nm           250umOptical fiber         -30dBm           900umOptical fiber         -30dBm           9mmOptical fiber         -25dBm           VFL Function (Standard)           Wavelength         650nm±10nm           VFL Output Power         10mw           Mode         CW, 1Hz, 2Hz           Fiber Type         SM/MM           Adapter         2.5MM Universal (1.25MM adaptor included)           General Parameters         Power Supply           Power Supply         2*AA 1.5V Alkaline Battery           Battery Working Time         ≥ 5000 times of measurements           Working Temperature         -10 tr ~ +50 tr         Storage Temperature         -20 tr ~ +70 tr           Dimension         230mm x 43mm x 36mm	900umOptical fiber	-35dBm	-35dBm		
250umOptical fiber -30dBm -30dBm -30dBm -30dBm -25dBm  WFL Function (Standard)  Wavelength 650nm±10nm  WFL Output Power 10mw  Mode CW, 1Hz, 2Hz  Fiber Type SM/MM  Adapter 2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply 2*AA 1.5V Alkaline Battery  Battery Working Time ≥5000 times of measurements  Working Temperature -10℃ ~ +50℃  Storage Temperature -20℃ ~ +70℃  Dimension 230mm x 43mm x 36mm	3mmOptical fiber	-30dBm			
-30dBm -25dBm  WFL Function (Standard)  Wavelength  G50nm±10nm  WFL Output Power  10mw  Mode  CW, 1Hz, 2Hz  Fiber Type  SM/MM  Adapter  Seneral Parameters  Power Supply  Battery Working Time  Working Temperature  Cy00 Adam Adam Adam Adam Adam Adam Adam Adam	Test Conditions:	1310nm			
### Parameters    Power Supply   2*AA 1.5V Alkaline Battery   2500 times of measurements   250m x 43mm x 36mm   250mm x 45mm x 25mm	250umOptical fiber	-30dBm			
### Parameters    Power Supply   2*AA 1.5V Alkaline Battery   2500 times of measurements   250m x 43mm x 36mm   250mm x 45mm x 25mm	900umOptical fiber	-30dBm			
Wavelength  VFL Output Power  10mw  Mode  CW, 1Hz, 2Hz  Fiber Type  SM/MM  Adapter  2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply  2*AA 1.5V Alkaline Battery  Battery Working Time  ≥ 5000 times of measurements  Working Temperature  -10° ~ +50°C  Storage Temperature  -20° ~ +70°C  Dimension  230mm x 43mm x 36mm	3mmOptical fiber				
VFL Output Power 10mw   Mode CW, 1Hz, 2Hz   Fiber Type SM/MM   Adapter 2.5MM Universal (1.25MM adaptor included)   General Parameters 2*AA 1.5V Alkaline Battery   Power Supply 2*AA 1.5V Alkaline Battery   Battery Working Time ≥ 5000 times of measurements   Working Temperature -10°C ~ +50°C   Storage Temperature -20°C ~ +70°C   Dimension 230mm x 43mm x 36mm	VFL Function (Standard)				
ModeCW, 1Hz, 2HzFiber TypeSM/MMAdapter2.5MM Universal (1.25MM adaptor included)General ParametersPower Supply $2*AA 1.5V$ Alkaline BatteryBattery Working Time $\geq 5000$ times of measurementsWorking Temperature $-10\% \sim +50\%$ Storage Temperature $-20\% \sim +70\%$ Dimension $230$ mm x $43$ mm x $36$ mm	Wavelength	650nm±10nm			
Fiber Type SM/MM  Adapter 2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply 2*AA 1.5V Alkaline Battery  Battery Working Time $\geq 5000$ times of measurements  Working Temperature $-10^{\circ} \sim +50^{\circ}$ Storage Temperature $-20^{\circ} \sim +70^{\circ}$ Dimension 230mm x 43mm x 36mm	VFL Output Power	10mw			
Adapter 2.5MM Universal (1.25MM adaptor included)  General Parameters  Power Supply 2*AA 1.5V Alkaline Battery  Battery Working Time ≥ 5000 times of measurements  Working Temperature -10°C ~ +50°C  Storage Temperature -20°C ~ +70°C  Dimension 230mm x 43mm x 36mm	Mode	CW, 1Hz, 2Hz			
General Parameters   Power Supply 2*AA 1.5V Alkaline Battery   Battery Working Time ≥ 5000 times of measurements   Working Temperature -10° ~ +50°   Storage Temperature -20° ~ +70°   Dimension 230mm x 43mm x 36mm	Fiber Type	SM/MM			
Power Supply  2*AA 1.5V Alkaline Battery  Battery Working Time  ≥ 5000 times of measurements  Working Temperature  -10° ~ +50°  Storage Temperature  -20° ~ +70°  Dimension  230mm x 43mm x 36mm	Adapter	2.5MM Universal (1.25MM adaptor included)			
Battery Working Time≥ 5000 times of measurementsWorking Temperature $-10^{\circ}$ ~ +50°Storage Temperature $-20^{\circ}$ ~ +70°Dimension230mm x 43mm x 36mm	General Parameters				
Working Temperature $-10^{\circ}$ ~ $+50^{\circ}$ Storage Temperature $-20^{\circ}$ ~ $+70^{\circ}$ Dimension $230$ mm x $43$ mm x $36$ mm	Power Supply	2*AA 1.5V Alkaline Battery			
Storage Temperature -20° ~ +70° Dimension 230mm x 43mm x 36mm	Battery Working Time	≥ 5000 times of measurements			
Dimension 230mm x 43mm x 36mm	Working Temperature	-10℃ ~ +50℃			
	Storage Temperature	-20°C ~ +70°C			
Weight 200g	Dimension	230mm x 43mm x 3	230mm x 43mm x 36mm		
	Weight	200g			

## **Ordering Information**

Part Number	Description
OFI-28	Optical Fiber Identifier for 250um, 900um, 2mm, and 3mm fiber cable. Also includes built-in 10mW VFL. User's manual, calibration certificate,
	soft case, and batteries included in packaging.