

# Optical Fiber Identifier

## FID-20R

## FID-21R



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### FEATURES

- Identification of traffic signal, CW light, modulated tone
- Applicable for 0.25 and 0.9mm coated fiber, up to 3mm fiber cord, up to 12 fibers ribbon
- Light signal direction discriminated
- Easy fiber clamping with long head style
- Optical power meter function provided (FID-20R)
- Battery operation

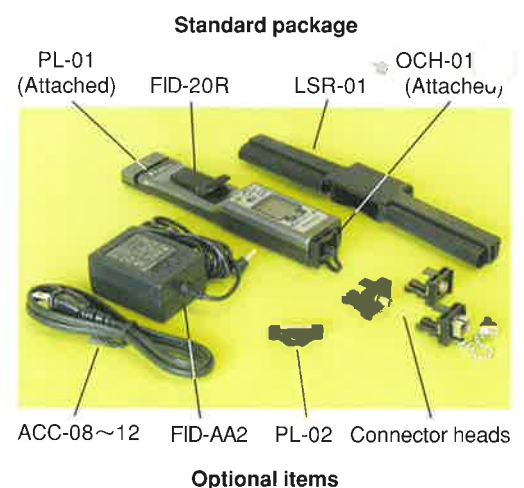
SPECIFICATIONS		
Model	FID-20R: Optical fiber identifier with power meter function FID-21R: Optical fiber identifier	
Applicable fiber	Singlemode fiber	
Wavelength response	0.9 to 1.7μm	
Operating condition	-10 to 50°C, 0 to 95% RH	
Power supply	DC with two AA batteries (1.2 to 1.5V) 100 to 240V AC with optional FID-AA2	
Dimensions	40W × 185L × 26H (mm) excluding connector (FID-20R)	
Weight	180g including batteries	
Power meter FID-20R	Wavelength response	1.31μm, 1.55μm
	Detectable kind of signal	Traffic signal, CW light, Light signal with modulated tones at 270Hz, 1kHz, 2kHz
	Detectable light power	0.1 to -60dB at modulated tone 0.1 to -40dB at traffic signal & CW light
	Accuracy	Within +/-0.3dB at 25°C

APPLICATIONS & OPTICAL CHARACTERISTICS														
Fiber	Plunger for fiber clamping	Operation with sunlight shield	Automatic signal identification						Insertion loss (dB)			Sensitivity (dBm)		
			Traffic	CW	270Hz*	1kHz*	2kHz*	Signal direction	1.31 μm	1.55 μm	1.65 μm	1.31 μm	1.55 μm	1.65 μm
Single fiber 0.25mm	PL-01		✓	✓	✓	✓	✓	✓	0.1	1.0	2.5	-40	-50	-50
Single fiber 0.9mm	PL-01	LSR-01	✓	✓	✓	✓	✓	✓	0.4	2.0	>3.0	-15	-20	-20
Fiber ribbon up to 12 fibers	PL-01	LSR-01	✓	✓	✓	✓	✓	✓	0.1	1.0	2.5	-40	-50	-50
Fiber cord 1.1 to 1.5mm (0.25mm fiber)	PL-01	LSR-01	✓	✓	✓	✓	✓	✓	0.1	1.0	2.5	-30	-40	-40
Fiber cord 1.7 to 2.0mm (0.9mm fiber)	PL-01	LSR-01	✓	✓	✓	✓	✓	✓	0.5	2.5	>3.0	-12	-17	-17
Fiber cord 3.0mm (0.25mm fiber)	PL-02	LSR-01	✓	✓	✓	✓	✓	✓	0.1	1.0	2.5	-30	-40	-40

Note) Modulation: 50% +/-10% duty cycle of square wave.

STANDARD PACKAGE				
Optical fiber identifier	Plunger	Light shield rubber	Connector head	Instruction manual
FID-20R	PL-01	LSR-01	OCH-01-UC (Universal type)	English
FID-21R	PL-01	LSR-01	-	English

OPTIONAL ITEMS				
Optical fiber identifier	Plunger	AC adapter	AC power cord	Connector head
FID-20R	PL-02	FID-AA2	ACC-08~12	OCH-01-SC
				OCH-01-FC
				OCH-01-ST
FID-21R	PL-02	FID-AA2	ACC-08~12	-



Specifications and descriptions are subject to change without prior notice.

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