

Optical Fiber Identifier

FID-25R FID-26R

FID-25R

FID-26R

Advanced Features

- High-sensitive performance dedicated for Bend-Insensitive Fibers (BIF) identification.
- Capability for weak tone signal detection over strong traffic signal.
- Wide range optical power meter equipped in FID-25R (Max. +10dBm).
- 15 user-selectable test modes for variety of field application.
- The full test mode performs all identification tests at the same time by one-time fiber clamping.
- Advanced fiber clamping plunger design for all applicable fibers without swapping.
- Superior fiber clamping head design requires very short excess testing length of the optical fiber.

Design Features

- Easy access to the target fiber in narrow space with thin and long head body.
- Simple and automatic operation by just clamping the fiber.
- LCD screen and LED illuminations for easy-viewable indication.
- Signal direction discrimination function and live fiber identification function available.
- Excellent fiber identification capability under sunlight condition.
- The sunlight shield cover is also available for accurate live fiber identification under sunlight.



*FID-25R only



Optical Fiber Identifier **FID-25R / FID-26R**



SPECIFICATIONS

Model		FID-25R: Optical fiber identifier with power meter function FID-26R: Optical fiber identifier
Applicable fibers	Fiber type	Singlemode fiber
	Kind of fiber	0.25mm coating, Ribbon fiber up to 12-fiber, or Fiber cord : 1.1mm, 1.5mm, 1.7mm, 2.0mm, or 3.0mm
Optical characteristics	Wavelength range	900 to 1700nm
	Detectable light signals	Traffic signal, CW light, Light signal with modulated tones at 270Hz, 1kHz or 2kHz (square wave 50±10% duty cycle)
Test modes		Total 15 modes, combination of detectable light signals and number of signal select (1-signal to 4-signal)
Operating conditions		-10 to +50°C , 0 to 95% RH
Storage conditions		-20 to +60°C , 0 to 95% RH
Power supply		1.2 to 1.5V DC with two AA batteries 100 to 240V AC with optional FID-AA2
Battery Life		Approximately 8 Hours by alkaline batteries at room temperature
Dimensions and weight		40W x 190D x 26H (mm), 180g including battery
Power meter	Wavelength response	1310nm, 1490nm, 1550nm
	Detectable kind of signal	Traffic signal, CW light, Light signal with modulated tones at 270Hz, 1kHz or 2kHz (square wave 50±10% duty cycle)
	Detector Sensitivity	+10 to -60dBm at modulated tone +10 to -40dBm at traffic signal & CW light
	Accuracy	Within +/-0.3dB at room temperature

APPLICATIONS & OPTICAL SPECIFICATIONS

Fiber application	Detecting all signals at the same time individually and automatically					Insertion loss (dB)			Sensitivity (dBm)		
	Traffic CW	270Hz*	1kHz*	2kHz*	Signal direction	1310 nm	1550 nm	1650 nm	1310 nm	1550 nm	1650 nm
Single fiber 0.25mm (R30)	✓	✓	✓	✓	✓	0.2	1.0	2.5	-48	-58	-58
Single fiber 0.5mm (R15)	✓	✓	✓	✓	✓	0.2	1.0	2.5	-48	-58	-58
Single fiber 0.9mm	✓	✓	✓	✓	✓	0.3	1.5	2.5	-20	-25	-30
Fiber ribbon up to 12 fibers	✓	✓	✓	✓	✓	0.3	1.0	2.5	-48	-58	-58
Fiber cord 1.1 to 1.5mm	✓	✓	✓	✓	✓	0.3	1.0	2.5	-40	-50	-50
Fiber cord 1.7 to 2.0mm	✓	✓	✓	✓	✓	0.5	2.0	3.0	-12	-17	-17
Fiber cord 3.0mm	✓	✓	✓	✓	✓	1.0	3.0	3.0	-15	-17	-17

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

STANDARD PACKAGE

Optical fiber identifier	Plunger	Light shield rubber	Carrying case	Instruction manual	Connector head
FID-25R	PL-05	LSR-02	FID-CASE-01	English	OCH-01-UC (Universal type)
FID-26R	PL-05	LSR-02	FID-CASE-01	English	-

STANDARD PACKAGE (FID-25R)



OPTIONAL ITEMS

Description	Model No.	Use for
Connector head	OCH-01-SC	FID-25R, SC connector
	OCH-01-FC	FID-25R, FC connector
	OCH-01-ST	FID-25R, ST connector
AC adaptor	FID-AA2	FID-25R and FID-26R
AC power cord	ACC-08 ~ 12	FID-AA2

Specifications and descriptions are subject to change without prior notice.

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