

## Fujikura Optical Fibre Identifiers



The Fujikura FID optical fibre identifier is an easy-to-use tool that determines if a fibre is live, the transmission direction, and the relative core power on standard and bend-insensitive singlemode and multi-mode fibres. Its positive-stop trigger mechanism provides the right amount of pressure every time to assure proper detection, while keeping loss to a minimum. This ensures that traffic will not be interrupted and the fibre will not be damaged.

**Nicknamed "The Job saver":** The Fujikura FID optical fibre identifier removes the need to access the optical fibre at a connection or splice point, eliminating the possibility of interrupting service to a customer.

**No heads to change or lose:** The universal head of the Fujikura FID optical fibre identifier eliminates the need to change an adapter head for jacketed, coated, or ribbon fibres, making it extremely easy to use in the field.

**Integrated optical power meter:** The optical power meter mode verifies power levels during installation or troubleshooting.

**Colour touchscreen:** The touchscreen provides simple-to-follow setup instructions and clear results that are easy to read.

**Field technician favourite:** The Fujikura FID optical fibre identifier is a favorite of technicians for its accuracy, ease of use, integrated power meter, and ergonomic design.

**Doesn't damage delicate fibres:** The positive-stop trigger ensures that the right pressure is applied every time, while the slim head makes it easier to reach and test tightly-packed fibres without damaging them.

### Features

- World-class signal detection sensitivity
- Positive-stop trigger lock for optimum detection
- Integrated optical power meter
- 2.4" colour touchscreen with backlight

### Applications

- Maintenance of fibre optic networks
- Troubleshooting network issues
- Identification of live fibres or trace fibres
- Power levels verification

## Fujikura Optical Fibre Identifiers

### Specifications

<b>OPTICAL FID</b>							
Fibre Type	0.25 mm SM and MM fibre; SM and MM ribbon fibre (up to 12 ribbon fibre) 1.1 mm/1.5 mm/1.7 mm/2.0 mm/3.0 mm SM and jacketed fibre						
Optical Characteristic	Wavelength Range	900 to 1700 nm					
	Detectable Light Signals	CW, Traffic or 270 Hz/1 kHz/2 kHz Modulated light <sup>b</sup>					
Insertion Loss (IL) & Minimum Detect Level <sup>c</sup> at Normal, Fast or Fine operation mode	Wavelength	1310 nm		1550 nm		1650 nm	
	Fibre Type	IL (dB)	Normal/Fast/Fine (dBm)	IL (dB)	Normal/Fast/Fine (dBm)	IL (dB)	Normal/Fast/Fine (dBm)
	0.25 mm (R=30 mm)	0.2	-58/-53/-64	1.0	-67/-62/-73	2.5	-67/-62/-73
	0.25 mm (R=15 mm), Ribbon	0.1	-44/-39/-50	0.3	-57/-52/-63	1.0	-57/-52/-63
	0.5 mm (R=15 mm)	0.2	-58/-53/-64	1.0	-67/-62/-73	2.5	-67/-62/-73
	1.1 mm/1.5 mm Jacketed	0.3	-43/-37/-53	1.0	-55/-50/-61	2.5	-57/-52/-63
	1.7 mm/2.0 mm Jacketed	0.5	-22/-17/-28	2.0	-27/-22/-33	3.0	-27/-22/-33
3.0 mm Jacketed	1.0	-20/-15/-25	3.0	-23/-18/-28	3.0	-23/-18/-28	

<b>POWER METER (OPM)</b>	
Wavelength	1310 nm, 1490 nm, 1550 nm
Detectable Light Signal	CW, Traffic or 270 Hz/1 kHz/2 kHz Modulated light
Detector Sensitivity	+10 to -60 dBm at modulated tone; +10 to -40 dBm at CW or Traffic <sup>b</sup>
Accuracy <sup>d</sup>	±0.3 dB @1310/1550 nm; ±0.6 dB @1490 nm

<b>GENERAL</b>	
Operation Conditions	-10 to +50 °C, 0 to 95 % RH (non-condensing)
Storage Conditions	-20 to +60 °C, 0 to 95 % RH (non-condensing)
Power Supply	2 x AA batteries; 1.2 to 1.5 V DC
Battery Life	8 hours <sup>e</sup>
Dimensions (W x H x D)	5.0 x 11.5 x 21.2 cm (1.9 x 4.5 x 8.3 in) <sup>f</sup>
Weight	230 g (8.1 oz) including battery

**Notes:**

- a. All specifications valid at 25°C unless otherwise specified.
- b. Traffic is a light signal modulated by a random data sequence.
- c. Typical value. The minimum detect level (core power) the insertion loss varies due to coating material, colour, etc.
- d. Under the condition of temperature 25°C with input power at -20 dBm.
- e. Using 2 Alkaline AA Batteries.
- f. Except protruding part.

## Fujikura Optical Fibre Identifiers

### Ordering Information

PART NUMBER	DESCRIPTION
FUJFID30R	Optical Fibre Identifier w/ Power Meter
FUJFID31R	Optical Fibre Identifier
FUJFID32R	Optical Fibre Identifier w/ Power Meter (no ONU detection)


### Standard Package

- Fibre Identifier
- Carry case
- Instruction manual (on CD)
- Quick reference guide
- 2.5 mm universal power meter adapter (FID-30R only)

### Optional Items

PART NUMBER	DESCRIPTION
FUJFID-30R-ADPT-xx	Power Meter Port Adapter for FID-30R
xx = SC, ST, FC, LC dedicated connector type	

### Recommended Products



**FlexScan® FS300 (quad) and FS200 (single-mode) OTDRs**

- SmartAuto® 1-button automated testing for fast results
- LinkMap® colour-coded icons for easy troubleshooting
- Flexpress® mode (FS200) completes OTDR test in <5 seconds!
- Integrated Source, Power Meter and VFL



**Optical Light Sources**

- Encircled Flux Compliant
- 5-Year Product Warranty
- Integrated LED and Laser light sources

### Qualifications

CATEGORY	REGULATION/STANDARD	QUALIFICATION
CE Marking	EU	Compliant to relevant EU Directives on health, safety, and environmental protection, and certified with CE marking
Safety /EMC /EMI	IEC	Compliant to IEC 61010-1 for safety requirements for electrical equipment
	EN	Compliant to EN 61010-1 for safety requirements for electrical equipment
	IEC	Compliant to IEC 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 55011 for EMC requirements for industrial, scientific and medical equipment
	FCC	Compliant to code of federal regulations FCC 47 CFR 15 on unlicensed transmissions
RoHS	EU	Compliant to EU regulations Directive 2011/65/EU (RoHS 2) and Directive 2015/863 (RoHS 3)

Contact [AUSsales@AFLglobal.com](mailto:AUSsales@AFLglobal.com) to schedule a demonstration or learn more.