# 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

| OPTICAL FID | | | | | | | |
|---|---|---|---|---|---|---|---|
| Fibre Type | 0.25 mm SM and MM fibre; SM and MM ribbon fibre (up to 12 ribbon fibre)<br>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 [b] | | | | | |
| Insertion Loss (IL) & Minimum Detect Level [c] 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 |

| POWER METER (OPM) | |
|---|---|
| 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 [b] |
| Accuracy[d] | ±0.3 dB @1310/1550 nm; ±0.6 dB @1490 nm |

| GENERAL) | |
|---|---|
| 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 [e] |
| Dimensions (W x H x D) | 5.0 x 11.5 x 21.2 cm (1.9 x 4.5 x 8.3 in) [f] |
| 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 |

## 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

FS300

FS200

**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

OLS2-Dual OLS4

**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 to schedule a demonstration or learn more.