All to brighten the world

FURUKAWA ELECTRIC

Optical Fiber Identifier

ID-H/R v4

Bringing Field Needs to Life

Long-Awaited New Model

2-Second Measurement

Instant Measurement After Power-On

USB Type-C Charging

FURUKAWA ELECTRIC

Accurate Fiber Identification with Test Light

Low-Loss, Reliable Operation

Integrated Fiber Direction Indication

Designed for optical fiber identification using a test light signal, this instrument features low insertion loss, enabling reliable operation on live fibers.
A built-in direction indication function enables easy determination of transmission direction.

Features

Faster Measurements NEW

The instrument completes measurements in just 2 seconds, approximately 1.3× faster than the previous model.

Reduced Operator Workload NEW

The lever lock function eliminates the need to keep squeezing during operation.

* Lever lock function ON/OFF selectable.

Easy-to-Read LCD Display NEW

Backlit LCD display for reliable visibility in low-light conditions.

Now with USB Type-C Charging NEW

USB Type-C charging
No more battery replacement, less environmental impact

* The optional ID-H/R v4 charging kit is required.

No Head Replacement Required

Supports fibers with jacket diameters from 0.25 mm single fibers to 3 mm cords.
Supports 16-Fiber Rollable Ribbon.

Intuitive Operation

Easy setup and immediate fiber identification after power-on.

Supports Bend-Insensitive Fibers

Also supports identification of ITU-T G.657 A2 optical fibers (R7.5).

Improves usability with a light-receiving sensitivity adjustment function

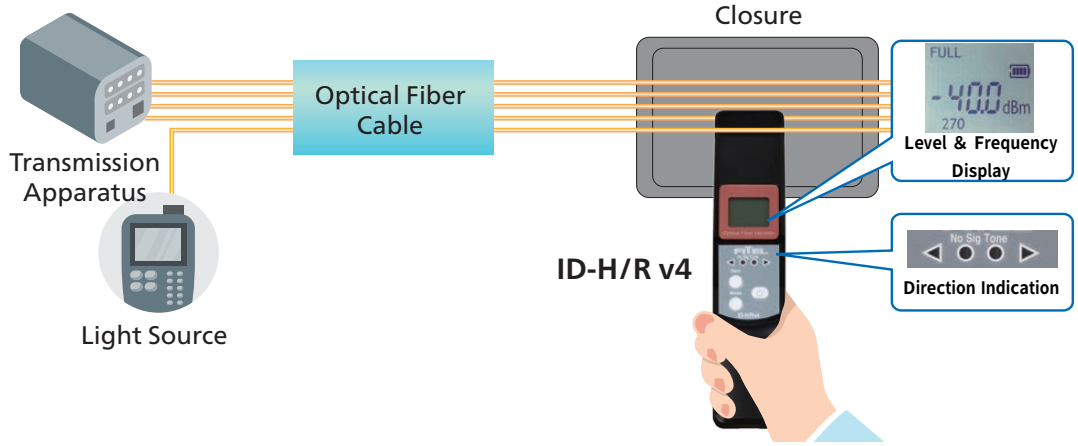
It can suppress the effects of ambient light.

Optical Signal Intensity Display Function

Displays estimated optical signal intensity values.

Lightera

Example of Application



Optical Characteristics

Item			Specifications		
Applicable Optical Fiber			**Single-mode optical fiber (equivalent to ITU-T G.652 and G.657 A1/A2)**		
			Single-mode optical fiber ribbon (equivalent to ITU-T G.652 and G.657 A1)		
			Single-mode optical fiber cordage (equivalent to ITU-T G.652)		
Receiving Wavelength			900 to 1700 nm		
Receiving Frequency			CW, Traffic 270Hz/1kHz/2kHz (square wave 50±10% duty cycle)		
Measurement Range			0 to −80dBm*1		
Maximum Insertion loss / Minimum detectable level (typ) *2	Optical Fiber		1310 nm	1550 nm	1650 nm
	ITU-T G.652 Equivalent	250 µm single fiber Up to SM12-fiber ribbon SM	0.1 dB −40 dBm	1.0 dB −50 dBm	2.5 dB −50 dBm
		Up to 3 mm Cordage*3	0.5 dB −30 dBm	2.0 dB −40 dBm	3.0 dB −40 dBm
		900 µm single fiber*4	0.5 dB −15 dBm	2.0 dB −15 dBm	3.0 dB −15 dBm
Indication for traffic signal			Direction LED illuminates Intermittent buzzer Displays the optical power measurement range on the LCD		
Indication for tone signal			Direction LED and Tone signal LED illuminates Continuous buzzer Displayed an optical power measurement range and Frequency by LCD*		

***1 leakage light detection level from the optical fiber.**

***2 These specifications are based on our optical fiber with our test method.**
Detection may be difficult depending on the manufacturer, coating color, or other conditions.

***3 Only φ0.25 mm UV-coated optical fibers are supported.**

***4 Not an applicable optical fiber; for reference only.**

Environmental Specifications

Item	Specification
Storage Environmental Conditions	Temperature: –20 to 60°C Humidity: 0 to 95% (non-condensing)
Operating Environmental Conditions	Temperature: –10 to 50°C Humidity: 0 to 95% (non-condensing)

Other

Item	Specification
Power*5	2 AA Alkaline Batteries 2 Ni-MH Rechargeable Batteries for ID-H/R v4 (Optional)
Operating time	Approx. 8 hours*6
Dimensions	Approx. 40 (W) × 67 (H) × 177 (D) mm
Weight	Approx. 180 g (including batteries)

*5 Use two batteries of only one type: either AA alkaline batteries or the dedicated ID-H/R v4 Ni-MH rechargeable batteries.
Using different types of batteries together may cause leakage, overheating, rupture, or equipment failure.

*6 When using new AA alkaline batteries at room temperature.

Standard Package

Item	Model No.	Quantity
ID-H/R v4 Main Unit*1	IDHRv4-01	1
Carrying case	AI02H-001	1
AA Alkaline Battery	—	2
Online Instruction Manual Guide*2	IDHRv4-02I	1

*1 The optical fiber identifier is not sold separately.
*2 To access the Instruction Manual, please scan the QR code shown on the right, or the QR code in the Online Instruction Manual Guide, using a smartphone or other QR code-reading device, and visit our website.

Optional Components

Item	Model No.	Quantity
Rechargeable Ni-MH Battery for ID-H/R v4*3	IDHRv4-04I	2
AC adapter for ID-H/R v4*3	IDHRv4-05I	1
Charging set for ID-H/R v4*4	IDHRv4-06I	1 set

*3 Available for individual purchase.
*4 Includes a Rechargeable Ni-MH Battery for ID-H/R v4 and an AC Adapter for ID-H/R v4.

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