

FI700

SPECIFICATIONS

Optical Fiber Identifiers...



Single-Hand Operation and Wide Detection Range

The FI700 Series of Optical Fiber Identifiers is the safe, economical and non-destructive way to identify active lit optical fibers. These rugged units use local detection technology, which employs a macrobend method, eliminating the need to open the fiber at the splice point for identification. All models detect continuous wave, live optical transmission and low frequency modulated tones at 270 Hz, 1 k, and 2 kHz. The presence of traffic, the direction of the transmission and modulated tones on the fiber are indicated by LEDs. In addition, the FI720 models measure the fiber's relative power and displays the reading on a two-digit, seven-segment LED. This allows for measurement of power loss through a splice or connector.

Features and Benefits

- Detection of modulated tones; 270 Hz, 1 kHz, 2 kHz
- Single-hand operation
- Light weight (7.5 oz.)
- Interchangeable head for ribbon, jacketed and coated fiber allows
- virtually any fiber to be identified
- Detects all light source and loss test set modulation frequencies

Optical Specifications

Model	FI710	FI720	FI720C
Insertion Loss	<0.5 dB ¹	<0.5 dB ¹	<0.5 dB ¹
Spectral Response	800 to 1700 nm	800 to 1700 nm	800 to 1700 nm
Optical Tone Receiver	270, 1 k and 2 kHz	270, 1 k and 2 kHz	270, 1 k and 2 kHz
Maximum Range	0 to -40 dBm	0 to -40 dBm; ±2.0 dBm	+20 to -20 dBm; ±2.0 dBm
Relative Power	No	Yes	Yes
Fiber Stress	None; Macro-bending		

Note:

¹ Mean Detectable Signal Power for single-mode fiber at 1310 nm.

Fiber compatibility	Dual window single-mode	8 to 10 mm diameter
	Coating diameter	250 mm diameter
	Coating	High refractive index acrylate
Optical characteristics	(Using Corning 1528)	
Minimum fiber slack	0.75 µm required for detection	

General Specifications	
Power	One 9 volt Alkaline battery
Operation	Approximately 10,000 readings
Operating temperature	-20° to +50° C (-4° to 122° F)
Storage temperature	-40° to 60° C (-40° to 140° F)
Humidity	0 to 90% non-condensing
Dimensions (L x W x D)	19.1 x 4.2 x 2.5 cm (7.5 x 1.3 x 1.0 inches)
Weight	0.2 kg (7.5 oz)

Ordering Information

A Fiber Identifier is a non-intrusive tool used to determine if a fiber has traffic on it prior to breaking the connection and interrupting service. All Fiber Identifiers operate on a 9-volt battery and include a 3 mm, 900 µm, ribbon adapter, manual, and carry case.

• Model Numbers:

FI710 = Basic Optical Fiber Identifier
 FI720 = Optical Fiber Identifier with relative power reading
 FI720C = High Power (CATV) Optical Fiber Identifier

• Fiber Identifier Accessories:

TD-30418 250 µm buffered fiber adapter
 TD-30419 900 µm buffered fiber adapter
 TD-30420 3 mm fiber adapter
 TD-34788 2 mm adapter
 TD-30421 Replacement leather pouch for Fiber Identifier



Specifications subject to change without notice.

Anritsu Corporation

5-1-1 Onna, Atsugi-shi, Kanagawa, 243-8555 Japan
 Phone: +81-46-223-1111
 Fax: +81-46-296-1264

• U.S.A.

Anritsu Company

1155 East Collins Blvd., Suite 100, Richardson, TX 75081, U.S.A.
 Toll Free: 1-800-ANRITSU (267-4878)
 Phone: +1-972-644-1777
 Fax: +1-972-671-1877

• Canada

Anritsu Electronics Ltd.

700 Silver Seven Road, Suite 120, Kanata, Ontario K2V 1C3, Canada
 Phone: +1-613-591-2003
 Fax: +1-613-591-1006

• Brazil

Anritsu Eletrônica Ltda.

Praca Amadeu Amaral, 27 - 1 Andar
 01327-010-Paraiso-São Paulo-Brazil
 Phone: +55-11-3283-2511
 Fax: +55-11-3288-6940

• Mexico

Anritsu Company, S.A. de C.V.

Av. Ejército Nacional No. 579 Piso 9, Col. Granada
 11520 México, D.F., México
 Phone: +52-55-1101-2370
 Fax: +52-55-5254-3147

• U.K.

Anritsu EMEA Ltd.

200 Capability Green, Luton, Bedfordshire LU1 3LU, U.K.
 Phone: +44-1582-433280
 Fax: +44-1582-731303

• France

Anritsu S.A.

16/18 avenue du Québec-SILIC 720
 91961 COURTABOEUF CEDEX, France
 Phone: +33-1-60-92-15-50
 Fax: +33-1-64-46-10-65

• Germany

Anritsu GmbH

Nemetschek Haus, Conrad-Zuse-Platz 1
 81829 München, Germany
 Phone: +49 89 442308-0
 Fax: +49 89 442308-55

• Italy

Anritsu S.p.A.

Via Elio Vittorini, 129, 00144 Roma, Italy
 Phone: +39-06-509-9711
 Fax: +39-06-502-2425

• Sweden

Anritsu AB

Borgafjordsgatan 13, 164 40 KISTA, Sweden
 Phone: +46-853470700
 Fax: +46-853470730

• Finland

Anritsu AB

Teknobulevardi 3-5, FI-01530 Vantaa, Finland
 Phone: +358-20-741-8100
 Fax: +358-20-741-8111

• Denmark

Anritsu A/S

Kirkebjerg Allé 90 DK-2605 Brøndby, Denmark
 Phone: +45-72112200
 Fax: +45-72112210

• Spain

Anritsu EMEA Ltd.

Oficina de Representación en España
 Edificio Veganova
 Avda de la Vega, nº 1 (edf 8, pl 1, of 8)
 28108 ALCOBENDAS - Madrid, Spain
 Phone: +34-914905761
 Fax: +34-914905762

• Russia

Anritsu EMEA Ltd.

Representation Office in Russia
 Tverskaya str. 16/2, bld. 1, 7th floor.
 Russia, 125009, Moscow
 Phone: +7-495-363-1694
 Fax: +7-495-935-8962

• United Arab Emirates

Anritsu EMEA Ltd.

Dubai Liaison Office
 PO Box 500413 - Dubai Internet City
 Al Thuraya Building, Tower 1, Suit 701, 7th Floor
 Dubai, United Arab Emirates
 Phone: +971-4-3670352
 Fax: +971-4-3688460

• Singapore

Anritsu Pte Ltd.

60 Alexandra Terrace, #02-08, The Comtech (Lobby A)
 Singapore 118502
 Phone: +65-6282-2400
 Fax: +65-6282-2533

• India

Anritsu Pte. Ltd.

India Branch Office

Unit No. S-3, Second Floor, Esteem Red Cross Bhavan,
 No. 26, Race Course Road, Bangalore 560 001, India
 Phone: +91-80-32944707
 Fax: +91-80-22356648

• P.R. China (Hong Kong)

Anritsu Company Ltd.

Units 4&5, 28th Floor, Greenfield Tower, Concordia Plaza,
 No. 1 Science Museum Road, Tsim Sha Tsui East,
 Kowloon, Hong Kong
 Phone: +852-2301-4980
 Fax: +852-2301-3545

• P.R. China (Beijing)

Anritsu Company Ltd.

Beijing Representative Office

Room 1515, Beijing Fortune Building,
 No. 5, Dong-San-Huan Bei Road,
 Chao-Yang District, Beijing 10004, P.R. China
 Phone: +86-10-6590-9230
 Fax: +86-10-6590-9235

• Korea

Anritsu Corporation, Ltd.

8F Hyunjuk Building, 832-41, Yeoksam dong,
 Kangnam-ku, Seoul, 135-080, Korea
 Phone: +82-2-553-6603
 Fax: +82-2-553-6604

• Australia

Anritsu Pty Ltd.

Unit 21 / 270 Ferntree Gully Road,
 Notting Hill, Victoria 3168 Australia
 Phone: +61-3-9558-8177
 Fax: +61-3-9558-8255

• Taiwan

Anritsu Company Inc.

7F, No. 316, Sec. 1, Neihu Rd., Taipei 114, Taiwan
 Phone: +886-2-8751-1816
 Fax: +886-2-8751-1817