

AQ-7150 series mini-OTDR



maxi performance

mini price

The AQ-715X is a state-of-the-art mini-OTDR developed from many years of technical experience with field-proven OTDRs.

Special emphasis is on cost-effectiveness. Although compact and lightweight, the AQ-715X offers high performance equal to that of full-size OTDRs.

Another outstanding feature is operational ease. Simple pushbutton control provides fiber fault location and splice loss/return loss measurements.

The AQ-715X is ideally suited for installation and maintenance of optical cables for subscriber systems (FTTC, FTTH), optical LANs, CATVs, etc.



Features

● Excellent portability

Compact and lightweight design. Powered by a rechargeable battery, the AQ-715X can be used continuously anywhere for up to five hours.

● Low price and high performance

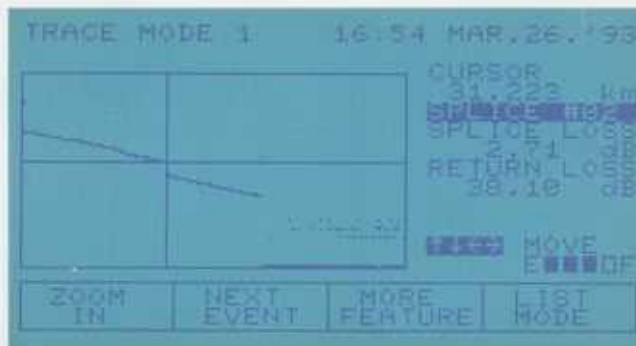
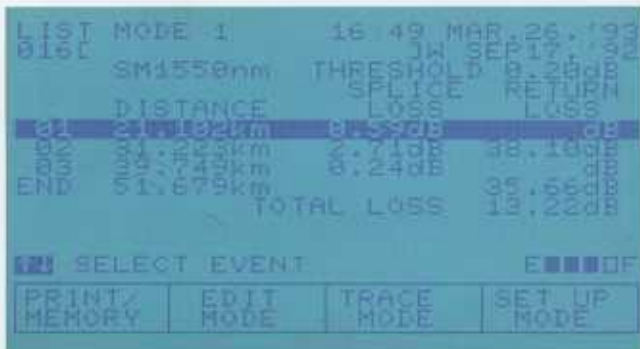
Although low in price, this mini-OTDR provides high performance equal to full-size OTDRs.

● Easy to operate

No special skills are required for operation. At the press of a button, optical fiber breaks and splice loss/return loss are automatically determined and the results of the measurement are displayed on the screen.

● Traceable

Cable waveforms can be displayed for detailed analysis.



● Return-loss calculation function

Return loss at connectors is calculated automatically.

● Universal-type optical connector

Universal interface allows the user to quickly adapt to various standard connectors such as FC-PC, SC, ST, BICONIC, DIN, and SMA.

● **IC card memory**

Measured data can be stored in optional IC memory cards.



● **Printer output**

Measured data can be directly output to an external printer.



Physical Description

- 1 Display
- 2 Function keys
- 3 Help key
- 4 Start/Stop key
- 5 Protector
- 6 Arrow keys
- 7 Power monitor LEDs
- 8 External power input
- 9 Power switch/contrast volume
- 10 Stand



- 11 Optical connector (Universal type)
- 12 IC memory card inlet
- 13 Printer interface port
- 14 Fuse holder
- 15 Battery pack compartment



Specifications

Model	AQ-7153	AQ-7155
Wavelength	1.31 μ m SM	1.31/1.55 μ m SM
Distance range	5km, 10km, 20km, 40km, 80km	
Detection measurement range	18dB	18/16dB
Dynamic range (typical value)	23dB	23/22dB
Dead zone	(Reflective) less than 10m, typical 7m (Backscatter) less than 50m, typical 30m	
Distance resolution	1m (5km, 10km range)	
Measurement time	Approx. 20 sec. (5km range) Approx. 90 sec. (40km range)	
Display	LCD (backlit) Data displayed: Measurement result lists, measured waveforms	
Measurement items	Break point detection, splice loss measurement, return loss measurement, distance and loss between two points	
Optical connector	Universal type (FC-PC standard) ¹⁾	
Memory	IC memory card ²⁾ interface (for result list, waveform)	
Printer interface	RS-232C standard compatible	
Power requirements	AC 100—240V 50/60Hz, rechargeable battery 5H (typical)	
Environmental conditions	Operating temperature: 0 to 40°C, humidity: 85% or less Storage temperature: -20 to 60°C	
Dimensions & mass	Approx. 258 (H) x 198 (W) x 77 (D) mm, 2.8kg/6.2 lbs. (excluding protector)	
Accessories	AC adaptor/charger 1 ea., rechargeable battery pack 1 ea., fuse 2 ea., instruction manual 1 ea.	

1) Inquire about connectors other than FC-PC (SC, ST, BICONIC, DIN, SMA, etc.)

2) IC memory card is option

Options

- Spare Battery Pack
- AC Adaptor/Charger
- Printer
- Emulation Software
- Battery Pack Charger
- IC Memory Card
- Carrying Case

Specifications are subject to change without notice.

ANDO ELECTRIC CO., LTD.

19-7, Kamata 4-chome, Ota-ku, Tokyo, 144 Japan Phone: (03) 3733-1151 Fax: (03) 3739-7310 Telex: 246-6425 ANDO J

ANDO CORPORATION

HEADQUARTERS: 290 N. Wolfe Road, Sunnyvale, CA 94086, U.S.A. Phone: (408) 991-6700 Fax: (408) 991-6701

EAST OFFICE: 7617 Standish Place, Rockville, MD 20855, U.S.A. Phone: (301) 294-3365 Fax: (301) 294-3359

DURHAM OFFICE: 1320-3 Old Oxford Highway, Durham, NC 27704, U.S.A. Phone: (919) 479-5806 Fax: (919) 479-5803

ANDO EUROPE B.V.

"Vijverdam", Dalsteindreef 57, 1112XC Diemen, The Netherlands Phone: 020-6961441 Fax: 020-6999938 Telex: 18514 ANDO NL

OTHER SALES OFFICES (ANDO ELECTRIC CO., LTD.)

Melbourne, Australia; Taipei, Taiwan; Singapore

KT-1377-2 9310 KL310
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