



# Light Source AQ4303B

● Ideal light source for loss-wavelength characteristics measurement



## General

The AQ4303B is a white light source best suited for loss-wavelength characteristics measurement of optical fibers and devices.

This wide-band, highly stable light source, which employs a high power halogen lamp, provides CW light and 270Hz square wave modulated light by the chopper incorporated.

The AQ4303B also incorporates an optical filter that can be readily inserted by switch operation to remove higher-order components.

## Applications

The AQ4303B in conjunction with the AQ6310B, AQ6311 or AQ6320 OSA, is effective in measuring loss-wavelength characteristics of optical fibers and devices

## Features

- **Wide-band, highly stable output**  
The AQ4303B covers a band of 400 to 1800nm and provides highly stable optical outputs with a deviation of  $\pm 0.05\text{dB}$ .
- **270Hz chopped light**  
The AQ4303B provides 270Hz square wave modulated light by a chopper for low-level measurement.
- **Removal of higher-order optical components**  
The built-in optical filter can be inserted by simple switch operation to prevent higher-order optical components from entering the band selected.
- **GPIB remote control**  
The AQ4303B is provided as a standard with GPIB measuring system setup.

# Specifications

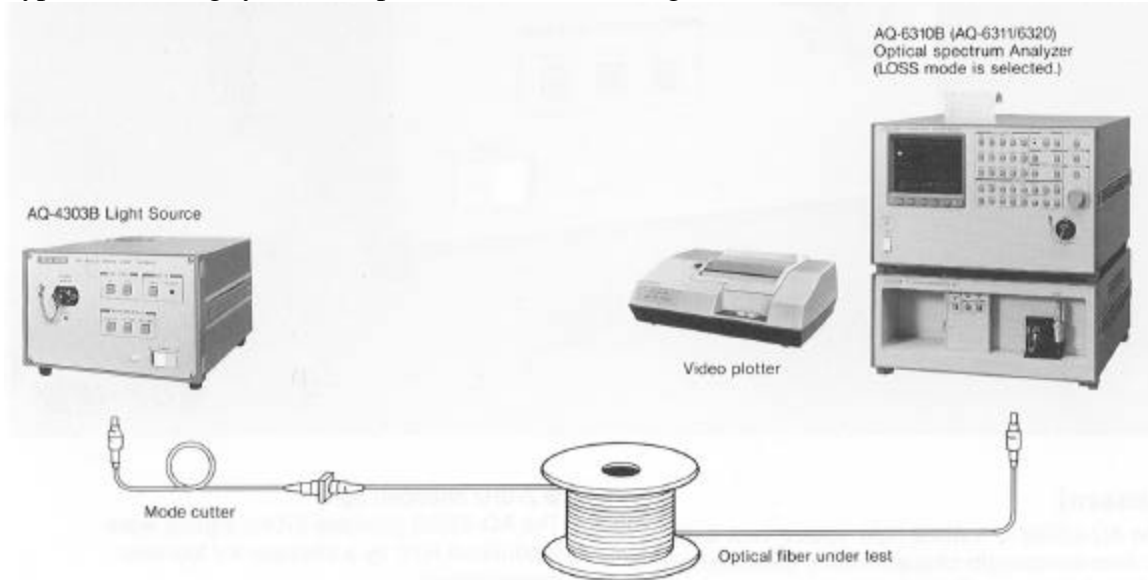
<b>Wavelength range</b>	400 to 1800nm
<b>Output stability</b>	$\pm 0.05$ dB (at 20°C, for 1 hour)
<b>Output waveform</b>	CW or 270Hz chopped light
<b>Output level</b>	-45dB or more (50/125 $\mu$ m GI fiber, wavelength of 850nm and 1300nm, bandwidth of 10nm, CW)
<b>GPIB interface</b>	Supplied as standard
<b>Power requirements</b>	AC 100V, 50/60Hz; approx. 130VA
<b>Dimensions and mass</b>	Approx. 133(H) $\times$ 212(W) $\times$ 250(D) mm, approx. 5kg
<b>Accessories</b>	Instruction manual; 1 copy

*Note: The standard optical connector is of FC type.*

*Inquire for information on other optical connectors.*

# Measuring System

Typical measuring system for optical fiber loss-wavelength characteristics measurement.



## ANDO ELECTRIC CO.,LTD.

19-7, KAMATA 4-chome, Ota-ku, Tokyo, 144 japan Phone: (03)3733-1151 Fax (03)3739-7310

## ANDO CORPORATION

HEADQUARTERS: 2021 N. Capital Avenue, San Jose, CA 95132, U.S.A. Phone: (408)941-0100 Fax: (408)941-0103

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

## ANDO EUROPE B.V.

HEADQUARTERS: "Vijverdam", Dalsteindreef 57, 1112XC Diemen, The Netherlands Phone: 020-6981441 Fax: 020-6998938

NIEDERLASSUNG DEUTSCHLAND: Dachauer StraBe 340,1. OG, D-80993 Muchen, Germany Phone: 089-14381555 Fax: 089-14381555

## ANDO ELECTRIC SINGAPORE PTE.LTD.

19 Kim Keat Road #05-03, Jumbo Industrial Building, Singapore 328804 Phone: 251-1391 Fax: 251-1987

## ANDO ELECTRIC INCORPORATION

5F-2, No 81, Nan-ta Road, Hsin-chu City, Taiwan Phone: (35)614131 Fax: (35)614130