

# Chapter 3 DESCRIPTION OF FUNCTIONS

This chapter describes the functions of this equipment.

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### 3.1 Names and Functions of Panels

Figure 3-1 to Fig. 3-3 show the names of the panels of this equipment and Table 3-1 shows the functions of these panels. The encircled numbers in the figures correspond to the encircled numbers in the number column of the table.

Front Panel

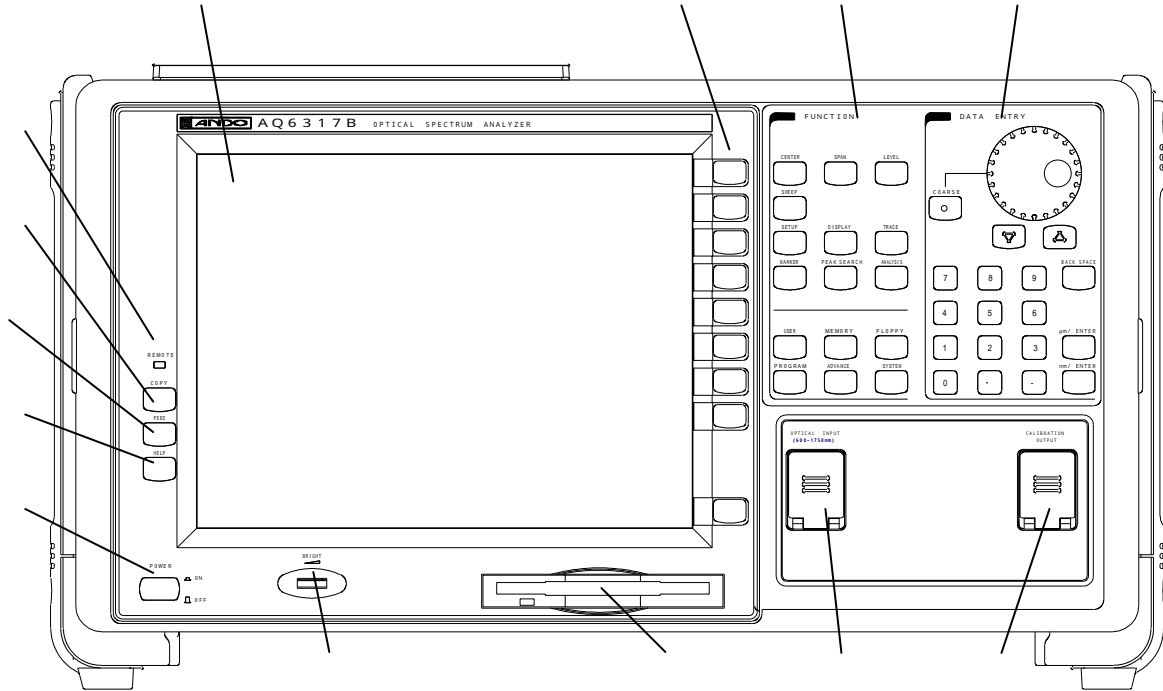


Fig. 3-1 AQ6317B Optical Spectrum Analyzer

# Rear Panel

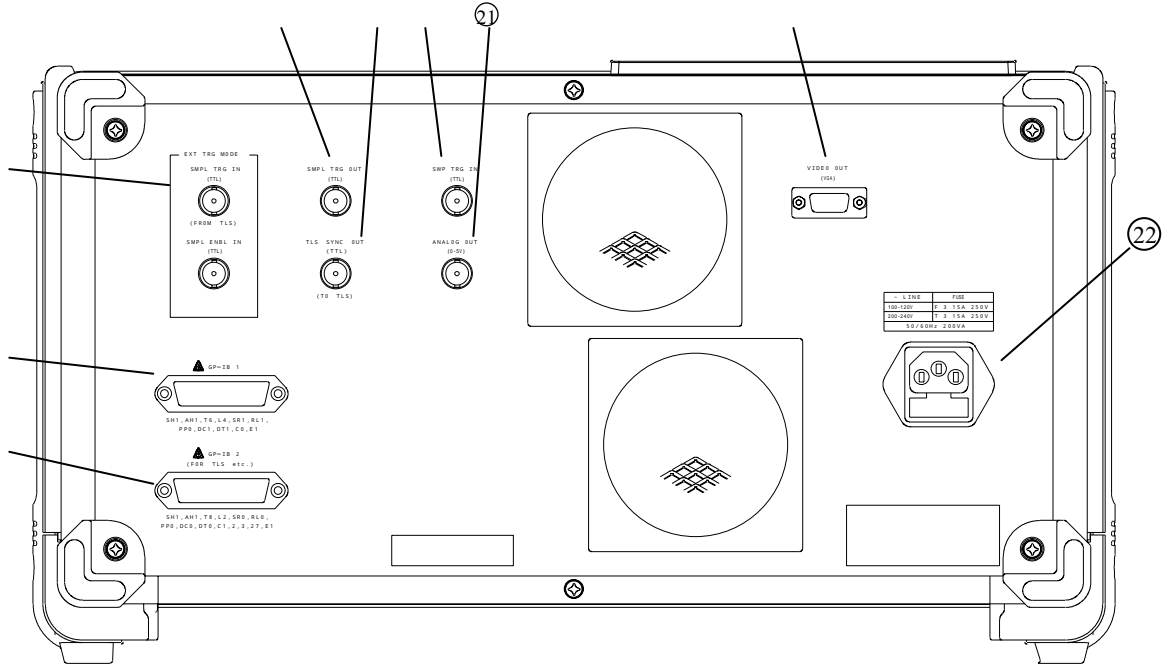


Fig. 3-2 AQ6317B Optical Spectrum Analyzer

Table 3-1 Description of Panel Functions

No.	Name	Description of function
	LCD display	Displays measured waveforms, measuring conditions, measured values, etc.
	Soft key switch	Used to execute the function of each switch.
	[FUNCTION] section	Used to perform setting for every measurement (sweep, measuring conditions, data analysis and various functions).
	[DATA ENTRY] section	Used to enter measuring condition parameters and labels.
	Remote lamp	Comes on when this equipment is in the remote status.
	[COPY]	Used to execute printer functions.
	[FEED]	Used to feed record paper.
	[HELP]	Used to check the contents of the soft key menu displayed on the screen.
	[POWER]	Power switch
	[BRIGHT]	LCD brightness adjusting control
	Floppy disk drive (3.5 inches)	Used to store waveform data, programs, etc.
	[OPTICAL INPUT]	Optical input connector
	[CALIBRATION OUTPUT]	Optical output connector of the standard light source used for wavelength calibration
	[GP-IB 1]	GP-IB port to control this equipment from an external computer
	[GP-IB 2]	GP-IB port to control external units (wavelength variable light source, etc.) while this equipment functions as a system controller on the GP-IB bus
	[VIDEO OUT (VGA)]	Connector to output analog RGB video signals (conforming to VGA)
	[SWP TRG IN]	Connector to input sweep trigger signals
	[EXT TRG IN]	Connector to input control signals synchronized with measured light from outside. Also used to synchronize with the wavelength variable light source
	[SMPL TRG OUT]	Connector to output measurement trigger signals
	[TLS SYNC OUT]	Connector to output synchronous signals for the synchronous sweep with the wavelength variable light source
②①	[ANALOG OUT]	Connector to output electric signals proportional to the measurement level
②②	AC power connector	Input the AC power through the attached power cord.

## **3.2 Software Functions**

All system functions can be controlled from a distant place via GPIB interface. For the GPIB details, see Chapter 9 "GPIB function".

## 第三章 功能描述

本章讲述该仪器的功能。

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### 3.1 面板名称及功能

图3-1至图3-3显示该仪器各面板的名称及功能。表3-1显示这些面板的功能。各图中画圈的号码与表中号码栏的画圈号码一致。

前板

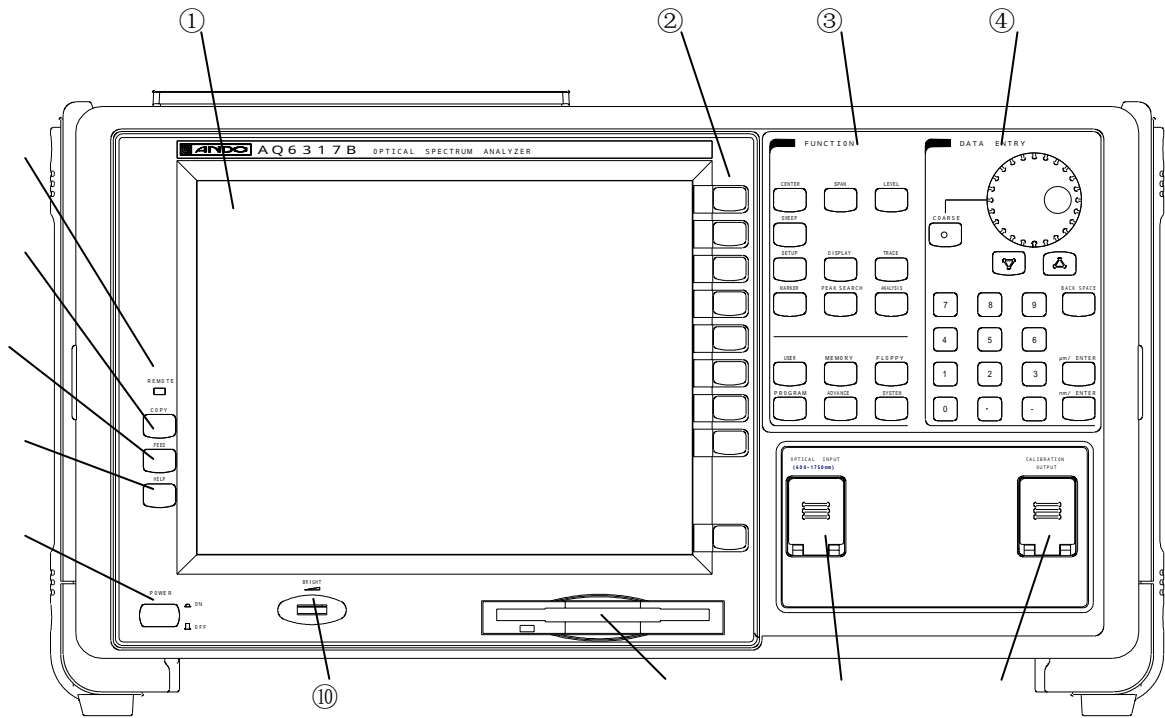


图3-1 AQ6317B 光谱分析仪

# 后背

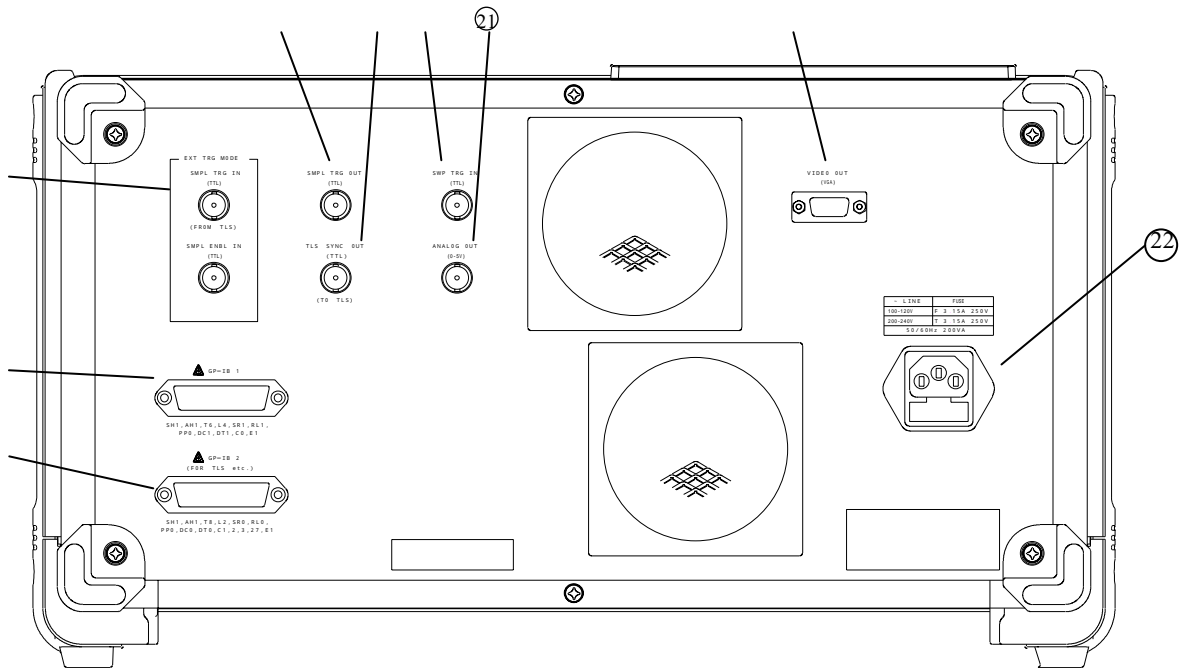


图 3-2 AQ6317B光谱分析仪

表 3-1 面板功能描述

号码	名称	功能描述
	LCD 显示	显示测量波形、测量条件、测量值等
	软键开关	用来执行各开关的功能
	[FUNCTION] (功能) 区	用来对测量的各个方面进行设定(扫描、测量条件、数据分析及各种功能)。
	[DATA ENTRY] (数据输入)区	用来输入测量条件参数及标签。
	远程灯	当该仪器处于远程状态时启动
	[COPY](打印)	用来执行打印功能。
	[FEED](添加)	用于添加记录纸。
	[HELP](帮助)	用于检查屏幕显示的软键菜单的内容。
	[POWER](电源)	电源开关
	[BRIGHT](亮度)	LCD亮度调节控制
	软盘驱动器 (3.5 英寸)	用于存储波形数据及程序等。
	[OPTICAL INPUT](光输入)	光输入连接器
	[CALIBRATION OUTPUT](校准输出)	用于进行波长校准的标准光源的光输出连接器
	[GP-IB 1]	GP-IB 端口, 用于该仪器与外部计算机的控制
	[GP-IB 2]	GP-IB端口, 当该仪器在GP-IB总线上执行系统控制器功能时, GP-IB 端口用于控制外部组件 (波长可变光源等)
	[VIDEO OUT (VGA)]	连接器, 用于输出模拟RGB视频信号 (遵循VGA)
	[SWP TRG IN]	连接器, 用于输入扫描触发信号
	[EXT TRG IN]	连接器, 用于输入与来自外部的测量光线同步的控制信号。还可用于使波长可变光源与之同步
	[SMPL TRG OUT]	连接器, 用于输出测量启动信号
	[TLS SYNC OUT]	连接器, 用于输出波长可变光源同步扫描的同步信号
①	[ANALOG OUT]	连接器, 用于输出与测量电平成比例的电信号
②	AC电源连接器	通过连接的电源线输入交流电。

## 3.2 软件功能

所有的系统功能均可通过GPIB接口进行远程控