

# Optical Laser

**sanwa**

# Power Meter for DVD-RAM, CD and MD Light Measurement



**OPM36M**

## OPM36M



CD sensor  
(stick type)



MD sensor



DVD-RAM sensor

Connecting cord of  
MD sensor and  
DVD-RAM

### Introduction

This instrument is a laser power meter with a Si photodiode light sensor.

It uses separate measuring sensors for CD player measurement (stick type sensor), MD player measurement, DVD-RAM drive measurement of PC.

Measuring functions include W measurement, W (REL) relative value measurement, MAX HOLD and data averaging.

The instrument is equipped with RS-232C interface for transferring measuring values to a PC.

### Standard Accessories

- AC adapter: AD30 x 1pc.
- MD sensor x 1pc.
- DVD-RAM sensor x 1pc
- CD sensor (stick type) x 1 pc.
- Connecting cord of MD sensor and DVD-RAM sensor x 1pc.
- 6LF22 (Alkaline 9V battery) x 1pc.
- Instruction manual x 1pc.

### Optional Accessories

- RS232C cable: KB-RS-OPM x 1pc.

## Feature

- Full 4-digit display and direct reading from 0.001  $\mu$ W to 50.00 mW
- Three types of optical probes available (for CD player measurement, MD player measurement, DVD-RAM drive measurement of PC)
- MAX HOLD for holding the maximum power value
- Data averaging for measuring fluctuating light
- REL (Relative) measurement for canceling the ambient light before measurement
- Two-way power supply (6LF22 battery or special AC adapter)
- RS-232C interface for transfer of measuring data to a PC

## General Specification

Model	OPM36M
Display	4-digit digital
Ranges	Automatic, 6 ranges
Optical sensor	Si photodiode (sensor surface area 10 x 10 mm) in each sensor
Optical power measuring range	0.001 $\mu$ W to 50.00 mW.
Optical input type	Direct to photodiode
Calibrated wavelengths	Wavelengths used buy DVD-RAM, CD and MD
Accuracy	$\pm$ 5% (@ calibrated wavelength of 100 $\mu$ W)
Resolution	W/REL mode: 0.01% to 0.11%
Measuring cycle	6.66 times/sec.
Functions	W and REL display, direct read-out wavelength switching, MAX HOLD ,data averaging (20-data sequential averaging), low battery voltage indication, RS 232C output (using optional RS 232C connection cable)
Power supply	6LF22 (Alkaline 9V battery) or (AC adapter AD-30)
Environmental conditions	Temperature: 0 to 40°C (32 to 104°F) Humidity: No more than 80%RH (without condensation)
Dimensions	Main body: 164 x 85 x 35 mm CD sensor (stick type): 126 x 15 x 4 mm MD sensor: 68 x 72 x 6 mm DVD-RAM sensor: 123 x 138 x 8 mm
Weight	Main body: 270 grams CD sensor (stick type): 40 grams MD sensor: 30 grams DVD-RAM sensor: 80 grams