

OPTICAL HANDY POWER METER ML96B



Features

- Easy operation using only two buttons and a single knob.
- Convenient automatic ranging.
- A single button switches from W to dB and to dBm, and back again.
- The battery inside the ML96B allows continuous operation for up to 20 hours. The battery charger is a standard accessory.
- Data concerning the wavelength sensitivity characteristics of all the optical power sensors is available.

Description

The ML96B is a hand-held optical power meter that weighs a mere 300g. Since it is battery operated, optical power measurements can be made easily anywhere. Seven types of optical power sensors can be connected without any adjustments. Especially if the miniature optical power sensor (MA912A) is used, measurements can be made easily, even in restricted or confined areas. The ML96B can be used in everything from development to maintenance in a wide range of fields: from optical communications and video disks to digital audio equipment.

Specifications

Indicator	Display	W, dBm, dB (Relative)						
	Number of figures	4 digits (dBm, dB) 3½ digits (W)						
	Dimensions and weight	85W, 150H, 250D mm, ≤0.3kg						
	Accessories supplied	One sensor connecting cord, one battery charger						
Sensor	Model	MA97B	MA911A	MA912A	MA916A	MA913A	MA98A	MA917A
	Wavelength	0.38 to 1.15μm	0.4 to 1.15μm			0.75 to 1.8μm	0.8 to 1.8μm	
	Element	Si photo diode				Ge photo diode		
	Active area diameter	D = 9.5mm	D = 8mm		—	—	D = 5mm	—
	Input type	Photo diode			Connector*1	Connector*1	Photo diode	Connector*1
	Indicator connection	Connecting cord C			Directly connected	Connecting cord C	Connecting cord C	Directly connected
	Dimensions and weight	35φ, 27Lmm, <100g		16φ, 130Lmm, <25g	27φ, 30Lmm <100g	30H, 25W, 35D mm, <300g	35φ, 27Lmm, <100g	27φ, 30Lmm <100g
	Measuring range	-60 to +10dBm (at 0.85μm)	-60 to +10dBm (at 0.85μm)			-50 to +0dBm (at 1.3μm)	-40 to +10dBm (at 1.3μm)	-60 to 0dBm (at 1.3μm)
Overall	Accuracy	±5% (at 0.85μm, -10dBm)	±5% (at 0.85μm, -10dBm)			±5% (at 1.3μm, -10dBm)	±5% (at 1.3μm, -10dBm)	±5% (at 1.3μm, -10dBm)*2
	Resolution	0.1 to 1% (Watts), 0.01dB (dBm)						
	Battery life	Operates for about 20 hours, (on internal Ni-Cd battery)						
	Ambient temperature, rated range of use	0 to 45°C						

*1 The standard optical connector is the FC Type.

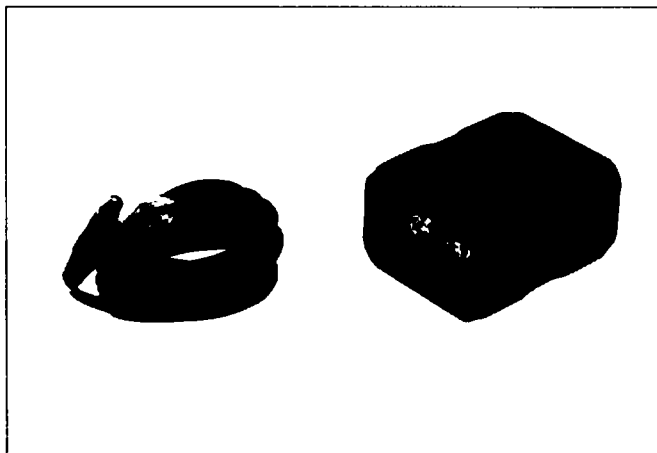
Please consult us if other types of connector are desired.

*2 Directly connected to indicator.

Accessories

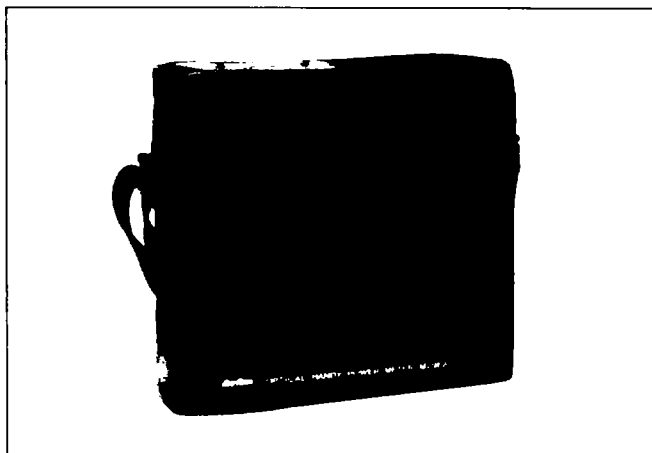
● Battery case (Option)

The battery case (six SUM-3) uses dry cells to power the ML96B.

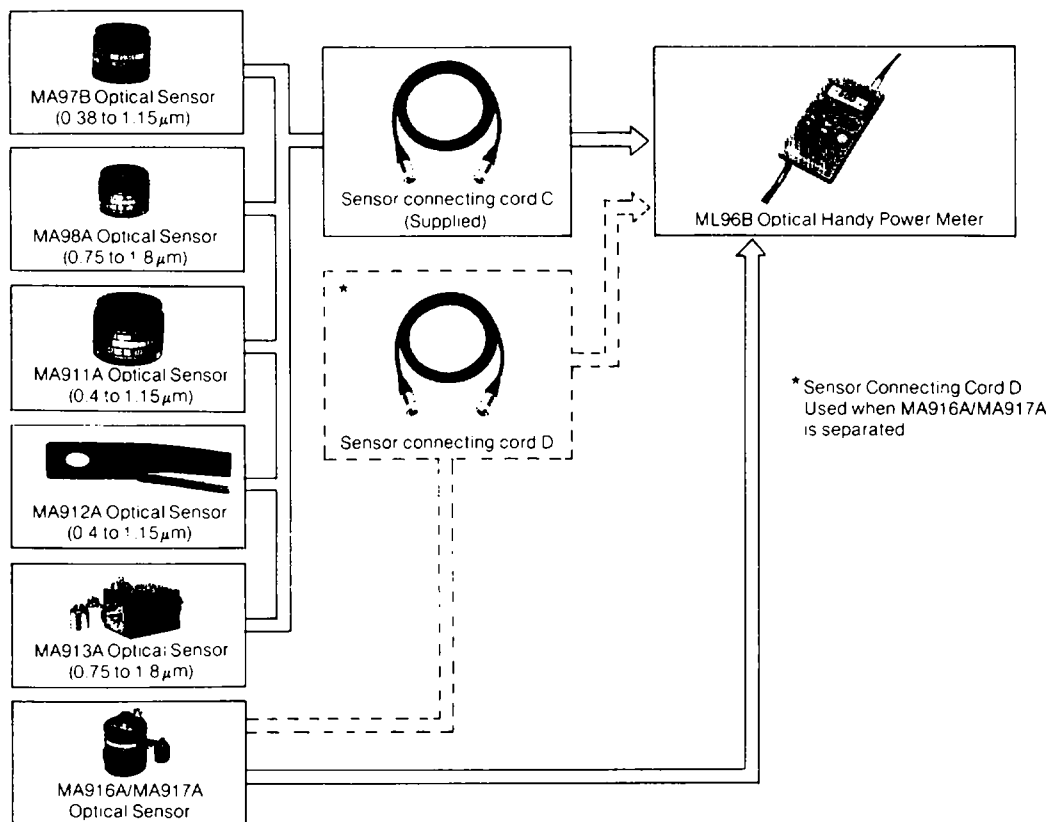


● Carrying case (Option)

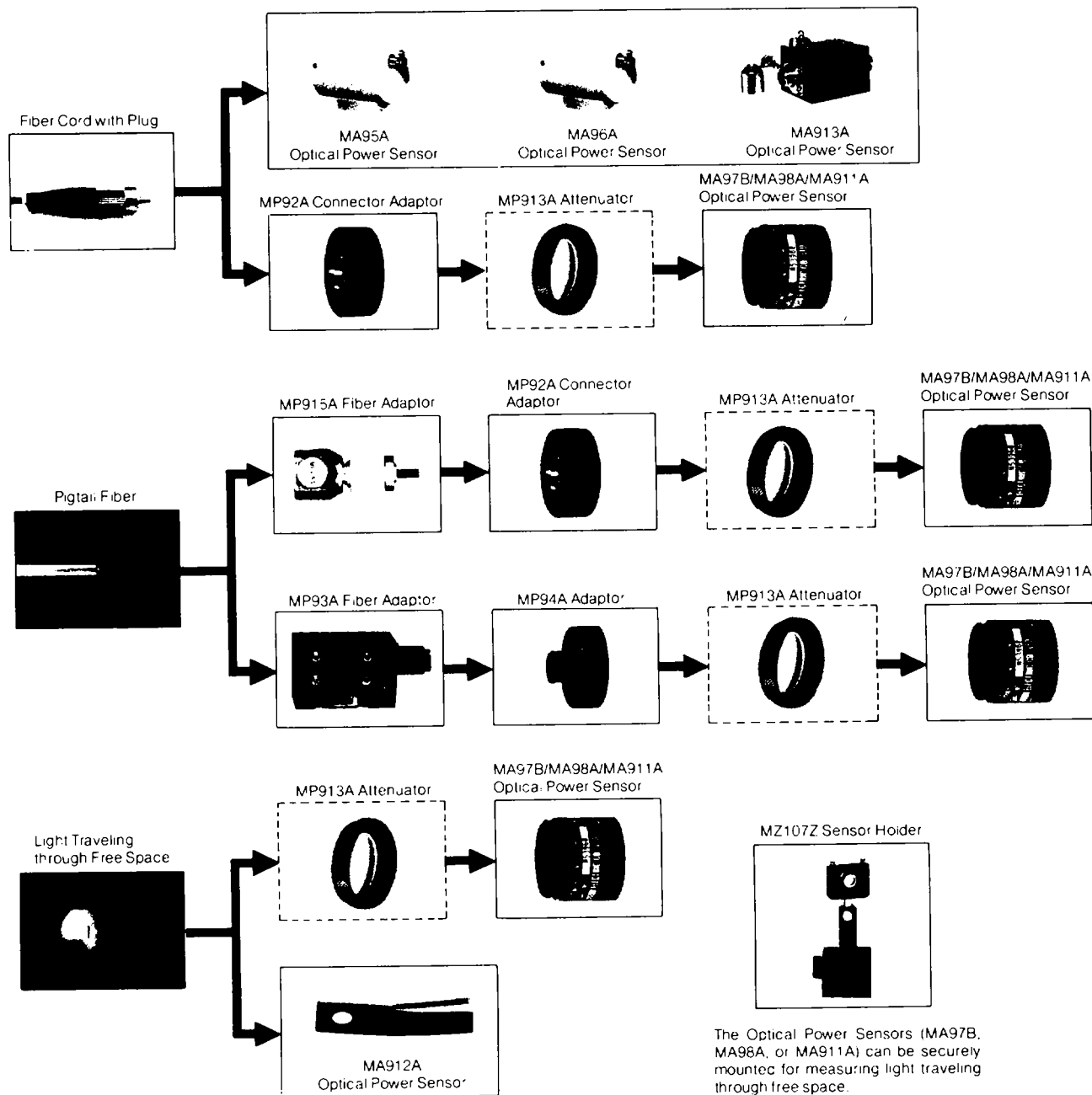
Holds the main unit, optical power sensors (7 types), adapters, and the battery case.



ML96B with sensors



ADAPTORS FOR OPTICAL POWER METER



MP915A FIBER ADAPTOR : Pigtail fiber can be joined to FC connectors (Standard fibers for use with this device have a cladding diameter of 125 μ m and a jacket diameter between 0.25 mm and 1.0 mm.)

MP93A FIBER ADAPTOR : In combination with MP94A adaptors, pigtail fiber can be joined to the Optical Power Sensors (MA97B, MA98A, or MA911A). (Standard fibers for use with this device have a cladding diameter below 150 μ m and a jacket diameter between 0.8 mm and 1.0 mm.)

Note : Before using non-standard fibers (Plastic fibers, etc.) with the MP915A or the MP93A, please consult Anritsu.