



LM 100

Laser – Powermeter

- large analogue display
- 7 ranges (30 mW .. 30 W)
- mains and battery operation
- integrated charging unit
- battery life time: 30 hrs.
- time constant 1 sec.
- solid metal case
- outer dimensions: 70x120x65 mm³



This read out unit is designed to measure the output power of different lasers in combination with a thermophile head. The maximum power is limited by the used power head. By using the read out unit it is possible to reduce the time constant of the whole measurement system to 1 second. Normally, the time constant of a power head is in the region of 15 to 25 seconds.

For connecting the head a special adapter is required (15pin Sub-D to BNC). This adapter is used for matching sensitivity and thermal characteristic.

The LM100 is equipped with a rechargeable battery and charging unit. It is possible to operate the LM 100 either from the mains supply or rechargeable built-in batteries so that it remains versatile and can be adapted to most applications. The batteries are automatically charged when the instrument is plugged into the mains AC power supply. The batteries can also be charged when the LM100 is turned off. The charging circuit prevents the batteries from being overcharged. The state of the batteries and the charging circuit is displayed by two LED's.