

Optic Power Meter

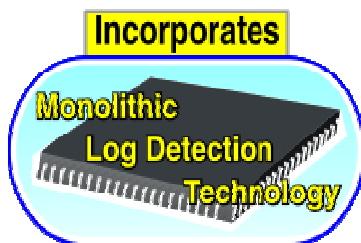
AS 900 / AS 901

Sharp Vision Optic Power Meter is used for measurement of Absolute and Relative Optic Power Levels of Single Mode and Multi Mode Optical Signal.

- A necessity for installation & maintenance of Fiber Optic Network in CATV, LAN and Wide Area Network.
- It utilises InGaAs technology for detection and a microcontroller for processing the optic signal for accurate measurement.
- It incorporates Monolithic Log Detection Circuit with Bipolar Transistors, a second reference transistor to neutralise temperature variations, multiple noise filtering circuits and a microcontroller to obtain accurate signal level measurements.
- The microcontroller not only takes average measurement over appropriate intervals, but also,
 - i) Takes commands from front panel keys
 - ii) Takes care of change of scale as per optic level
 - iii) Battery level status
- There is a large LCD Display of Optic Level, Wavelength, Battery Status, Absolute measurement dBm / mW / μ W and Relative measurement dB.

Applications:

- Measure, Analyze and Maintain Fiber Optic CATV network
- Manufacturing of Fiber Optic Equipment
- Fiber Optic Cable manufacturing Units



Special Features of Sharp Vision Optic Power Meter:

- **Compare Two Optic Signals** - The feature of Comparison of two optic signals is a great advantage for us -
 - i) to measure the losses of fiber optic cable,
 - ii) to measure the length of fiber cable and
 - iii) to find quality of adaptors, patch cords, couplers/splitters etc
- **Protection Jacket** - A strong PVC jacket protects the optic meter against damage due to an accident or shock.
- **Dust Cap** - Over the input connector protects it from dust and electrostatic discharge (ESD) of human body.
- **Choose Wavelength** - As per your requirement.
- **Units for Measurement** - Select dBm, mW or μ W, as per your choice.
- **Automatic Switch Off** - To protect the life of Rechargeable battery, optic meter switches off automatically if no key is pressed.
- **High Accuracy** - The accuracy of readings is +5%, which enables user to use the meter for major optical installations.

Features Achieved:

- Hand-Held, Battery Operated for Field Use
- Large LCD Display
- Selectable Wavelength 850, 1310 & 1550nm
- Relative Power Measurement in dB
- High Accuracy and Dynamic Range
- High measurement Resolution
- Compare Two Optic Signals
- Protection Jacket
- Low Battery Voltage Warning
- Auto Shut off



Specifications:

Model	: AS 900	AS 901
● Measurement Range	: -25 ~ +25dBm	-45 ~ +25dBm
● Wavelength	: 1310 & 1550nm	850, 1310 & 1550nm
● Connector	: SC/APC	SC, FC, ST
● Accuracy	: \pm 5%	\pm 5%
● Resolution	: 0.01dB	0.01dB
● Auto Shutoff Duration	: 5 min.	5 min.
● Rechargeable Battery	: 9 V Ni-MH	9 V Ni-MH
● Application	: CATV	CATV, CCTV & Telecom