

## FIBEROPTIC MODULE for OPTICAL POWER MEASUREMENT with a DPM, PMMA CABLE & SMA TYPE CONNECTORS (DS1607)



### SPECIFICATIONS: PHM-R/DPM

Wavelength Calibrated	660nm
Fiber Types	PMMA/Glass
Detector	Si PIN PD
Wavelength Range	400-1100 nm
Optical Connector	SMA Type
Power Range in dBm)	-5.0 to -59.0
Accuracy	+/- 0.4 dB
Power Supply	9 Vdc
Pout on DMM	Directly dBm

Note PHM-R/DPM is calibrated based on the device specifications provided by the manufacturer. The user may recalibrate the module to any standard that he desires, setting the trimmer shown in the figure below.

### SALIENT FEATURES of PHM-R/DPM:

Fiber optic module, PHM-R/DPM comprises an encapsulated panel mountable device that receives optical power through a multimode step index plastic fiber at 660nm, 850nm or 950nm (and other multimode GI glass fiber such as 50/125, 62.5/125, 100/140, 200/230 etc) and converts it into an electrical voltage that is equivalent to the optical power measured in dBm. The module is specially designed to operate from an IC7106 dpm power source (9vdc) and directly connect to the input terminals. The reference voltage for IC7106 needs to be set at 2000mv. The module employs SMD technology to achieve a high degree of reliability and compactness. Teflon leads (5 in all) provide for easy integration with other circuitry. The device requires only a few external components to realize desired functions. The SMA type connector (optical terminal) provides for rugged and consistently repeatable operations. The power meter operates from a single 9Vdc source (battery or battery eliminator)

### TYPICAL APPLICATION



### Lead Details

<b>RED</b>	<b>+ Vc</b>
<b>Black</b>	<b>-Vc</b>
<b>Green</b>	<b>Vout-</b>
<b>Blue</b>	<b>Vout+</b>
<b>White</b>	<b>Calibrate</b>

Ordering Code

Micromodule PHM-R/DPM

