

## OPTICAL POWER METER 2024B



### Introduction

The 2024 portable optical power meter is used for measuring output powers of optical front-ends and fiber nodes as well as insertion loss of optical passive components.

Low noise PIN photodiode is employed for photon detection. With help of the micro controller on board, the G & H2024 provides measurement solution with high performance, high reliability and low cost. Measurement results are displayed in logarithm (unit in dBm) and linear (unit in W) scale. G & H 2024 is a piece of ideal measuring equipment for optical power and instrument insertion loss in R & D, manufacturing and university labs, especially suitable for deployment and maintenance in fiber communication networks

---

### Scientech Technologies Pvt. Ltd.

94-101, Electronic Complex, Pardesipura, Indore- 452 010 India.  
Tel.: 91-731-2570301, 2576472, Fax: 91-731-2555643  
Email: [info@scientech.bz](mailto:info@scientech.bz), Web: [www.scientech.bz](http://www.scientech.bz), [www.caddo.bz](http://www.caddo.bz)



## Main Features

- a. Wavelength calibration for : 850, 1310 and 1550nm (optional) for more wavelengths)
- b. Wide dynamic range : 730 dB
- c. Auto functions : self-nulling, auto-ranging, auto shutdown, low voltage indication, intelligent charging management.
- d. High resolution : 0.01 dBm / 0.001 dB
- e. High linearity :  $\pm 0.06$  dB

## Technical specification

The main technical specification of the 2024 portable optical power meter are shown in Table 1.

Model	G&H2020B ©
Power Range	+23 ~ -40dBm
Sensitivity	1nW
Linearity	0.06dB (+23 ~ -40dBm)
Calibrated wavelength	850/1310/1550nm (980nm, 1480nm optional)
Uncertainty	$\pm 5\%$ ( $\pm 0.2$ dB)
Display	4dgts (dBm or W), wavelength, low battery charging indication
Display Resolution	0.01/0.001 dB
Operating Temperature	-10 ~ +45° C
Power Supply	9V stacked battery, continue operation > 30 hours (10 hours rechargeable type)
Dimensions	150mm x 73mm x 25mm
Optical Head Connection	FC type (Universal type optional)

---

## Scientechnologies Pvt. Ltd.

94-101, Electronic Complex, Pardesipura, Indore- 452 010 India.  
Tel.: 91-731-2570301, 2576472, Fax: 91-731-2555643  
Email: [info@scientechnologies.com](mailto:info@scientechnologies.com), Web: [www.scientechnologies.com](http://www.scientechnologies.com), [www.caddo.com](http://www.caddo.com)