



## MAY50 PON Power Meter



### Features:

- It can carry out synchronous measurement of voice, data and video signal in BPON/EPON/GPON.
- Providing simultaneous measurement for all three wavelengths in the fiber (1310nm, 1490nm, and 1550nm)
- Used in burst mode measurement of 1310nm upstream.
- Use the software to connect with PC, set the threshold, transfer data, and calibrate the wavelength.
- USB communication port enables data transfer to a PC. 1,000 measurement items can be saved in PON power meter or computer for data review.
- With optional OPM+VFL modules, including 850/1300/1310/1490/1550/1625nm of OPM module
- Optical power meter and VFL with one port.
- Offers up to 10 different threshold sets in total. Three status LEDs represent different optical signal conditions of Pass, Warn and Fail respectively.
- 10 minutes auto-off function can be activated or deactivated.
- Good key design, high sensitivity, greatly reducing the volume and weight of the tester.
- Different models corresponding to different function, according to own use to choose.

### PON Power Meter Specification:

<b>1310nm Upstream Measurement:</b>	
Pass Zone	1260nm~1360nm
Measurement Range	-40dBm~+10dBm
Input Power (max)	15dBm
Isolation @ 1490/1550	>40dB

Dirección: Calle México 1554 Edif. Chuquiago MZ-2

Teléfono/Fax: (2)2-231-1125 / 211-4820

E-mail: datel@entel.c

Cel.: 71521900 / 71535025

Página web: www.datelsrl.com



Burst Mode Measurement Error	$< \pm 0.5\text{dB}$
<b>1490nm Downstream Measurement:</b>	
Pass Zone	1470nm~1505nm
Measurement Range	-40dBm~+10dBm
Input Power (max)	15dBm
Isolation@1310/1550(dB)	>40dB
<b>1550 Downstream Measurement:</b>	
Pass Zone	1535nm~1570nm
Measurement Range	-40dBm~+25dBm
Output Power (max)	25dBm
Isolation @ (1310/1490nm)	>40dB
<b>Measurement Accuracy:</b>	
Connatural Uncertainty	$\pm 0.5\text{dB}$
Linearity	$\pm 0.1\text{dB}$
Passing Through Insertion Loss	$< 1.5\text{dB}$
<b>General Information:</b>	
Detector Type	InGaAs
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter
Fiber Type	SM 9/125um
Measurement Unit	dB/dBm/xW
Resolution	0.01dB
Operation Voltage	DC 3.3V~5.5V
Power Supply	3pc*1.5V battery
Continuously Operation Time	PON: 90h; OPM:100h; VFL: 50h
Operation Temperature	-10°C ~60°C
Storage Temperature	-25°C ~70°C
Net Weight	424g



Note: The operation time of the battery are all for the instrument that do not turn on backlight, if the backlight turn on the operation time will be shorted.

**PM Module (Power Meter, as optional function):**

<b>Measurement Accuracy:</b>	
Connatural uncertainty	$\pm 0.5\text{dB}$
Linearity	$\pm 0.1\text{dB}$
Measurement Range	-70dBm ~ +6dBm
<b>General Information:</b>	
Measurement Unit	dB/dBm
Resolution	0.01dB
Calibration Wavelength	1310/1490/1550/1625nm
Detector Type	InGaAs
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter

**VFL Module (Visual Fault Locator, as optional function):**

Output power	>0.5mW
Wavelength	650nm
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter
Fiber Type	SM/MM

**Standard Accessories:**

Item	Name	Quantity
1	MAY50 PON Power Meter with FC adapters	1pc
2	SC adapters	2pcs
3	USB cable	1pc
4	Soft Bag	1pc



5	CD with software inside	1pc
6	User Manual	1pc
7	AA alkaline battery or Lithium Battery	3pcs or 1pc
8	Charger for Lithium Battery	1pc for Lithium Battery only

### Ordering Information:

**Model: MAY50X-X-X**

Model	X: Polish Type	X: OPM and VFL (optional)	X: Battery
MAY50	U: UPC	None: without OPM or VFL	D: Dry Battery
	A: APC	V: with VFL	L: Lithium Battery
		P: with OPM	
		VP: with OPM and VFL	