



Features

- It can experiment at Voice, data and video signal synchronous measurement and display on BPON/EPON/GPON.
- Providing simultaneous measurement for all three wavelengths on the fiber (1490nm, 1550nm,1310nm )
- Used in Burst mode measurement of 1310nm upstream.
- Use the software connect with PC, setting the threshold, data transfer,and calibration the wavelength.
- Can support Optical power meter function
- Can support VFL function
- Lithium battery, AA alkaline, AC adapter, NI-MH battery for power supply

Specifications

|                                    |                                                |                                    |                      |                         |
|------------------------------------|------------------------------------------------|------------------------------------|----------------------|-------------------------|
| PON Optical Power Meter module:    | JW3213                                         | JW3213A                            | JW3213AV             | JW3213 AP               |
| 1310 upstream measurement          |                                                |                                    |                      |                         |
| Pass Zone(nm)                      | 1260nm ~ 1360nm                                |                                    |                      |                         |
| MeasurementRange(dBm)              | -35dBm ~ +10dBm                                |                                    |                      |                         |
| Output power(max)                  | 15dBm                                          |                                    |                      |                         |
| Isolation@1490/1550(dB)            | >40dB                                          |                                    |                      |                         |
| Burst mode measurement error       | <±0.5dB                                        |                                    |                      |                         |
| 1490 downstream measurement        |                                                |                                    |                      |                         |
| Pass Zone(nm)                      | 1470nm ~ 1505nm                                |                                    |                      |                         |
| MeasurementRange(dBm)              | -35dBm ~ +10dBm                                |                                    |                      |                         |
| Output power(max)                  | 15dBm                                          |                                    |                      |                         |
| Isolation@1310/1550(dB)            | >40dB                                          |                                    |                      |                         |
| 1550 downstream measurement        |                                                |                                    |                      |                         |
| Pass Zone(nm)                      | 1535nm ~ 1570nm                                |                                    |                      |                         |
| MeasurementRange(dBm)              | -35dBm ~ +10dBm                                |                                    |                      |                         |
| Output power(max)                  | 15dBm                                          |                                    |                      |                         |
| Isolation@ (1310/1490nm)           | >40dB                                          |                                    |                      |                         |
| Measurement Accuracy               |                                                |                                    |                      |                         |
| Connatural uncertainty(dB)         | ±0.5dB                                         |                                    |                      |                         |
| Linearity(dB)                      | ±0.1dB                                         |                                    |                      |                         |
| Passing through insertion Loss(dB) | <1.5dB                                         |                                    |                      |                         |
| General Information                |                                                |                                    |                      |                         |
| Detector Type                      | InGaAs                                         |                                    |                      |                         |
| Optical Connector                  | FC/SC/ST Interchangeable/2.5 universal adapter |                                    |                      |                         |
| Fiber Type                         | SM 9/125um                                     |                                    |                      |                         |
| Measurement Unit                   | dB/dBm/xW                                      |                                    |                      |                         |
| Resolution (dB)                    | 0.01dB                                         |                                    |                      |                         |
| Operation Voltage(V)               | DC 3.3V ~ 5.5V                                 |                                    |                      |                         |
| Power Supply                       | 3pc1.5V battery                                |                                    |                      |                         |
| Continuously Operation time (h)    | PON : 90h                                      | PON: 90h<br>OPM : 100h<br>VFL: 50h | PON: 90h<br>VFL: 50h | PON : 90h<br>OPM : 100h |
| Operation Temperature(°C)          | -10°C ~ 60°C                                   |                                    |                      |                         |
| Storage temperature(°C)            | -25°C ~ 70°C                                   |                                    |                      |                         |
| Dimension                          | 23.5*16*8cm                                    |                                    |                      |                         |
| Weight                             | 0.65kg                                         |                                    |                      |                         |

Standard Optical Power Meter Module:

|                              |  |         |                                                |                         |
|------------------------------|--|---------|------------------------------------------------|-------------------------|
| Standard Optical Power Meter |  | JW3213② | JW3213A                                        | JW3213AP                |
| Measurement Accuracy         |  |         |                                                |                         |
| Connatural uncertainty(dB)   |  | None    | ±0.5dB                                         |                         |
| Linearity(dB)                |  |         | ±0.1dB                                         |                         |
| Measurement Range(dBm)       |  |         | -70dBm ~ +6dBm                                 |                         |
| General Information          |  |         |                                                |                         |
| Measurement Unit             |  | None    | dB/dBm                                         |                         |
| Resolution (dB)              |  |         | 0.01dB                                         |                         |
| Calibration Wavelength(nm)   |  |         | 1310/<br>1490/1550/1625                        | 1310/<br>1490/1550/1625 |
| Detector Type                |  |         | InGaAs                                         |                         |
| Optical Connector            |  |         | FC/SC/ST Interchangeable/2.5 universal adapter |                         |

②: JW3213 do not have the OPM module

|                   |         |                                               |          |
|-------------------|---------|-----------------------------------------------|----------|
| VFL               | JW3213③ | JW3213A                                       | JW3213AV |
| Output power      | None    | >0.5mW                                        |          |
| Wavelength        |         | 650nm                                         |          |
| Optical Connector |         | FC/SC/STInterchangeable/2.5 universal adapter |          |
| Fiber Type        |         | SM/MM                                         |          |

③: JW3213 do not have VFL module.