



FIBER TOOLS

OWS200 OPTICAL WAVELENGTH SPLITTER

TESTING | TROUBLESHOOTING | ACCURACY

Product Features:

The Optical Wavelength Splitter (OWS200) is used to separate the various wavelengths that may be present in GPON, XG PON and NGPON2 networks to measure the optical power at each wavelength independent of other network signals. A standard optical power meter such as the OPM510 or OPM210 can then be used to measure each signal without the need to purchase a costly DWDM OPM. The optical loss of the OWS200 is typically less than 0.1dB and as a result has marginal influence on the measurements. OWS200 configurations are possible with up to eight wavelengths are possible and are dependent on individual service provider requirements. The user selects the model that supports the system wavelengths that they intend to measure, which determines the model of OWS200.

Features

- High accuracy to measure specific channel wavelengths
- Eliminates the need for expensive DWDM power meters
- Low loss
- SC/APC connections
- Low return loss will not disrupt network
- Compact design
- Convenient lanyard to securely hold

Ordering Information:

CAT. NO.	DESCRIPTION
OWS201	Optical Wavelength Splitter 1490nm / 1570nm
OWS202	Optical Wavelength Splitter 1490nm / 1577nm
OWS203	Optical Wavelength Splitter 1490nm / 1550nm
OWS204	Optical Wavelength Splitter 1550nm / 1577nm
OWSCC	OWS Carry Case



TEMPO
COMMUNICATIONS

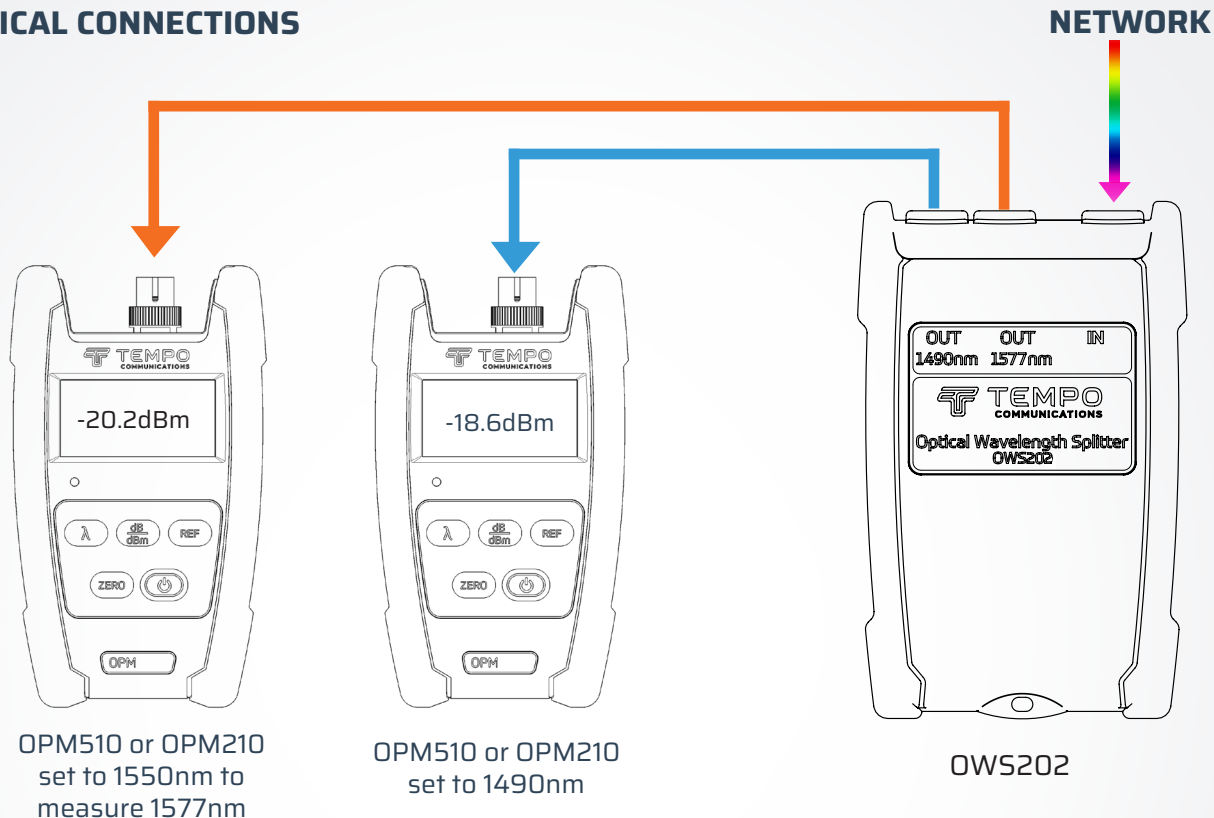
Renewed Vision. Innovation Forward.

TempoCom.com | tel 800.642.2155

Operation

1. Connect the fiber under test to the input port.
2. Connect a standard power meter to each of the output ports.
3. Set the power meter to the closest possible calibrated wavelength for each measured signal. ie for 1577nm select the 1550nm calibration.

TYPICAL CONNECTIONS



One power meter can be used to make the measurements.
No need to buy two optical power meters.

Specifications:

Insertion Loss:	Typically 0.1dB (Maximum 0.27dB) for two wavelength version*
Return Loss:	<-60dB
Size:	4.3 x 2.8 x 1" (110 x 70 x 26mm)
Weight:	0.15lbs (67g)
Connectors:	SC/APC (GR326 Compliant)
Enclosure Material:	ABS
Compliance:	RoHS

*OWS204 typical loss 0.5dB, Maximum 1.0dB.

Specifications are subject to change without notice.

1390 Aspen Way Vista, CA • 92081 TC-OWS200 03/22

Latin America Phone : 1.760.510.0558 | EMEA Phone: +44 (0) 1633 927050

©2021 Tempo Communications Inc. • An ISO 9001 Company

EMEA Address: Tempo Communications Limited • Brecon House,
William Brown Close, Cwmbran • NP44 3AB, UK

TempoCom.com | tel 800.642.2155



TEMPO
COMMUNICATIONS

Renewed Vision. Innovation Forward.



Follow us on Social Media
@TempoComms