

## xGPON Power Meter 583

**COMCAST** GROUP



## Main Features

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- ◇ It is widely used in 10GE PON/XGPON/XGSPON and RF networks
- ◇ Depending on the configuration, up to 6 wavelengths of PON system power can be tested simultaneously: 1490nm, 1550nm, 1577nm, 1310nm, 1270nm, 1610nm
- ◇ Can test 1310nm, 1270nm, 1610nm burst mode uplink wavelength signal
- ◇ Provides 10 sets of threshold values for operator selection, analysis and display of pass and failure status relative value selection and editing function can save 1000 records
- ◇ Manually set thresholds, upload data and calibrate wavelengths.
- ◇ Visual fault locator function
- ◇ Self-calibration function
- ◇ Automatic shutdown function
- ◇ Automatic backlight function
- ◇ Large capacity lithium battery
- ◇ Energy-saving design, low-voltage self-test power off
- ◇ HD screen, clear to read in outdoor sunlight

## Specifications

Wavelength (nm)	1310 (uplink)	1490 (downlink)	1550 (downlink)	1270 (uplink)	1577 (downlink)	1610 (uplink)
Spectral passband (nm)	1290~1330	1470~1505	1535~1570	1260~1280	1577±3nm	1595~1650
Range (DBM)	-40~+10	-45~+10	-45~+10	-40~+10	-45~+10	-40~+10
Isolation@1310nm (dB)		>40	>40	>40	>40	>40
Isolation@1490nm (dB)	>40		>40	>40	>40	>40
Isolation@1550nm (dB)	>40	>40		>40	>40	>35
Isolation@1270nm (dB)	>40	>40	>40		>40	>40
Isolation@1577nm (dB)	>40	>40	>40	>40		>40
Isolation@1610nm (dB)	>40	>40	>40	>40	>40	
Accuracy						
Uncertainty	±0.5dB					
Polarization Loss	<±0.25dB					
Linear	±0.1dB					
Insertion Loss	<1.5dB					
Display Resolution	0.01dB					
Unit	dBm/xW					
LCD	320*240, 3.2 inch True color LCD screen					
Battery	4.2V 2400mAh rechargeable battery					
Battery working time	20 hours around					
Operating Temperature	0~60°C					

## XFO-583

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Storage Temperature	25~70°C
Size (mm)	155×85×40
Weight (g)	300

## Order Guide

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TM583-2, 1490/1577nm

TM583-3, 1310/1490/1550nm

TM583-4, 1270/1310/1490/1577nm

TM583-5, 1270/1310/1490/1550/1577nm

TM583-6, 1270/1310/1490/1550/1577/1610nm

## Manual calibration

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Host | Charging Cable | Instrument Package | Manual | Packaging Box

Packing size: about 21\*12.3\*6.8cm

Gross weight: about 522g

## Manual calibration

Press the "MENU" and "▲" keys at the same time, and a wavelength + adjust character will appear on the top. This means it has entered the calibration state.

Press the "▲" or "▼" key to adjust the power value. Each press increases or decreases 0.05dBm. Press the "REF OK" or "↵" key to adjust the calibration wavelength. After the calibration is completed, press the power off key and adjust will disappear, indicating that the calibration has been stored and completed.

## Product Display



### For More Information

Please visit our website [www.comcast-sa.com](http://www.comcast-sa.com) or contact your local sales representative.

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