Description

OF-JW3307A Insertion Loss/Return Loss Test Station is a high performance loss test station that is designed specially for Optical Passive Components production Test and Lab Test. It combines three different working modes as a return loss meter, optical power and loss meter and a stable laser source in one test station. It features:

"Outstanding measurement accuracy and repeatability"

With built-in optical isolators in the lasers, with the most advanced microelectronics technology and high quality optical devices, and incorporated well-designed built-in software, to ensure the test station has a high stable output power, quick testing speed and wide measurement range.

"Automatic wavelength setting with synchronization"

In return loss test model, the optical laser source and optical power meter are at the same measurement wavelength simultaneously. In optical power meter model, measurement wavelength can be set separately.

"Multiple working modes"

Three working modes in one test station: Return loss test, optical power and loss test and stable laser source.
"Easy Operation"
NO button-press operation needed during the measurement of return loss test and insertion loss test. Two LCD window displays design, the return loss value and insertion loss value are displayed on LCD separately to enable the testing results can be seen or read clear in a glance. Operation of “Zero setting” and “Ref setting” be stored in test station automatically, even if the power supply is cut off suddenly and to power on again, normally needn’t recalibration."

"Human Engineering Design"
It has Comfortable appearance outline, using high quality metal case to avoid electrical interference caused by production conditions. Attractive and durable Press-button with a perfect handle sense. Equipment holder can be adjustable to satisfy the various applications, meet the Human Engineering requirements.

"Dustproof and active Optical Interfaces, easy removal for clean and replacement”
Active interface be used in both laser source and power meter, easy to remove to clean Optical interface adaptors and photo detector or replace other types adaptors, such as FC/SC/ST/2.5mm universal/1.25mm universal/MT-RJ etc. so that to be used in various types patch cords.
Specification:

**Optical Return Loss Test**

- **Wavelength**: 1310/1550nm
- **Optic Connector**: FC/APC
- **Return Loss measurement Range**: 0 ~ 75dB
- **Calibrated wavelength**: 1310/1550nm
- **Output Stability of laser source**: 0.05dB(1 hour@25°C)
- **Measurement accuracy**: 0.30dB
- **Resolution**: 0.01dB

**Optical Power and Insertion Loss Test**

- **Wavelength Range**: 800~1700nm
- **Calibrated wavelength**: 850/1300/1310/1550nm, more other wavelengths can be optional
- **Optic Connector (Power Meter)**: Interchangeable FC/SC/ST/2.5mm Universal /1.25mm adaptors
- **Photo detector**: InGaAs
- **Display modes**: dBm/dB/μW
- **Measurement range**: +3 ~ -80 dBm
- **Resolution**: Non-linear 0.001dB ; Linear: 0.001nw/μW/μW
- **Measurement accuracy**: ±5%

**Other Specification**

- **Power Supply**: AC 90-260V, 50~60Hz
- **Operation Temperature**: -5°C ~+55°C
- **Dimensions**: 260X265X140mm
- **Weight**: 3kg

**Product Picture**
(To enlarge the size of the picture, to see more clearly)

**Standard Configuration**

- **Main Body**
- **Adaptors**
- **Pouch**
- **P.S Line**
- **Manual**