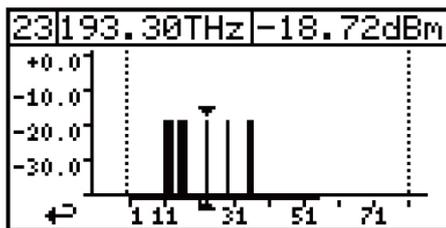


VIAVI

SSmartClass OCC-55

CWDM Channel Checker

The VIAVI SmartClass OCC-55 is a handheld, battery-operated CWDM Channel Checker that is ideal for field service groups tasked with the installation, maintenance, and upgrades of CWDM systems. The OCC-55 scans the CWDM system and automatically records all channels with the wavelength and related power level. The information can be displayed in a graphical spectrum format or in a table of results so that users can easily check the performance of each and every channel.



Graphical display

Cursor position indicates channel shown in the upper section of the display.

| CH | λ /nm | Lev/dBm |
|----|---------------|---------|
| 11 | 1471 | LOW |
| 12 | 1491 | -2.12 |
| 13 | 1511 | -11.20 |
| 14 | 1531 | -13.56 |

Tabular display

Channel number, frequency (wavelength) with the relevant power level is listed in a compact format.




Features and Benefits

- Industry's smallest and lightest CWDM channel checker
- Wavelength scan range: 1260 nm to 1620 nm
- Outstanding battery lifetime ensures highest flexibility
- Graphical/tabular display mode
- Results can be saved via internal memory
- Report generation software OFS-355

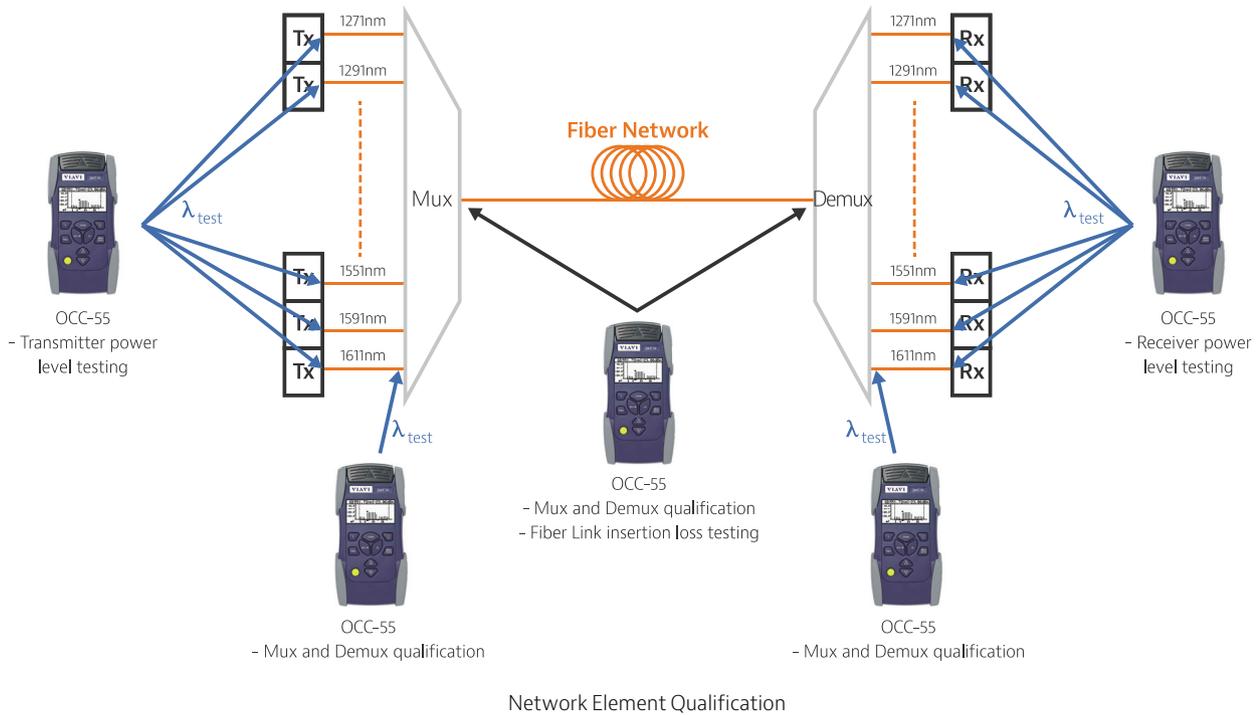
Applications

- Performance verification in metro access networks
- Troubleshooting in CWDM networks
- Upgrade of CWDM systems
- Network element verification
- Channel verification at add/drop multiplexers (OADM)

Cost-Effective Channel Checker with Great Performance

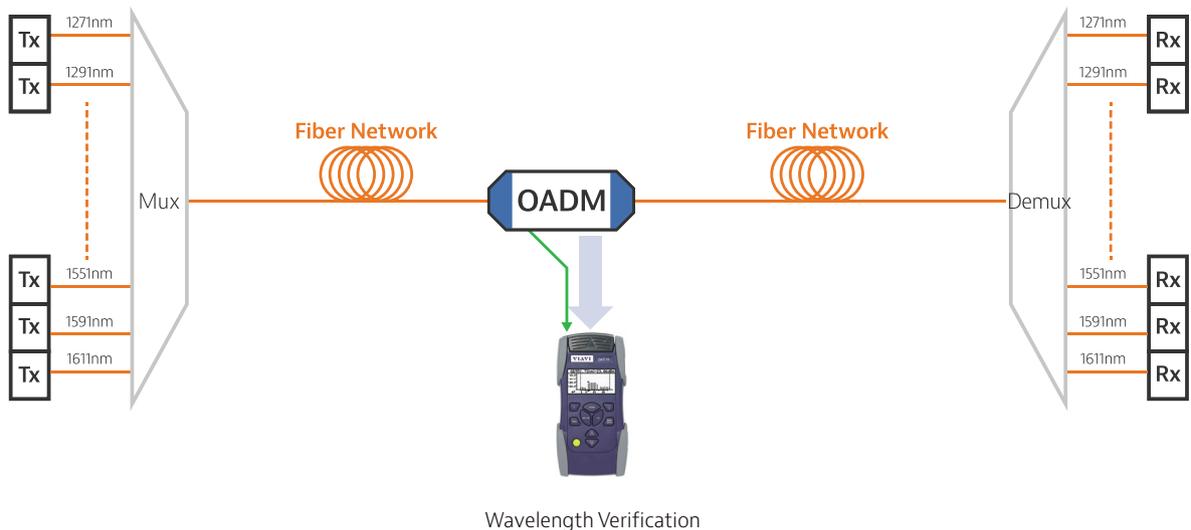
With the OCC-55, VIAVI sets the benchmark for convenience and performance in CWDM analyzers. At just 195 x 95 mm (7.68 x 3.74 in), a technician has the capability to easily install, upgrade, and maintain a CWDM network.

- Analysis of single channel before MUX and after DEMUX
- Qualification of multiplexed signals
- In-service measurement and network element verification



Channel wavelength verification at add/drop multiplexers

The OCC-5 features channel-drop testing at OADM to verify presence of the appropriate channel at the expected power level.



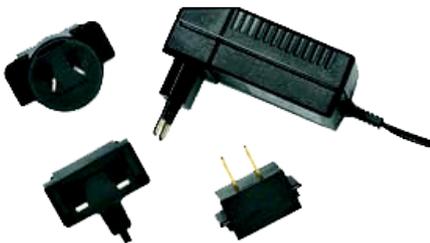
SmartClass OCC-55



OCC-10 Optical Connector Cleaning Kit (accessory)



Switchable Optical Adapters



Worldwide compatible AC Adapter/charger (SNT-121A)



Specifications

| | |
|---|--|
| OCC-55 | |
| Wavelength range | 1260 nm to 1620 nm |
| Minimum channel spacing/spectral resolution | 2 nm (@ 3 dB) |
| Absolute wavelength accuracy ¹ | 1 nm |
| Power level range/channel | +10 dBm to -50 dBm |
| Maximum composite power | +22 dBm |
| Channel power repeatability | ± 0.4 dB |
| Channel power accuracy | ± 0.8 dB |
| PDL | ± 0.3 dB |
| Measurement time | 1 min |
| Optical port | SM/PC |
| Return loss | >35 dB |
| Graphical display Trace | Bar graph |
| Table | ch-no, wavelength, power |
| Functions | Marker, wavelength drift |
| Sweep mode | Single, continuous |
| Remote control | via USB interface |
| (1) 23°C ± 5°C | |
| Display | |
| Graphical display, resolution of 128 × 64 dots, displays up to four laser status screens | |
| Backlight function switchable via a separate key | |
| Optical adapters | |
| Switchable optical adapters: FC/SC/LC and ST | |
| Power supply | |
| Four dry batteries Mignon/AA, 1.5 V or NiMH rechargeable cells Mignon/AA, 1.2 V | |
| Operating time from dry batteries | typ. 7 h ¹ |
| <i>Power saving:</i> The instrument switches off automatically after ~20 min (function can be disabled) | |
| AC line operation via separate AC adapter | |
| Integrated fast battery charging function (2 hours) | |
| Electromagnetic compatibility | |
| Corresponds to IEC 61326 (CE conformance) | |
| Calibration | |
| Suggested calibration interval | 3 years |
| Temperature | |
| Operation | -5°C to +55°C |
| Storage | -40°C to +70°C |
| Dimensions and Weight | |
| W × H × D approximately | 95 × 60 × 195 mm (3.74 × 2.36 × 7.68 in) |
| Weight approximately | 500 g (1.1 lb) |

1. Single sweep mode

Ordering Information

| Ordering number | Description |
|----------------------------------|--|
| 2277/40 | OCC-55 CWDM Channel Checker |
| Included items | |
| Ordering number | Description |
| 2237/90.02 | Four NiMH rechargeable cells (AA) |
| 2277/90.01 | SNT-121A AC adapter |
| Operating manual | |
| 2277/90.02 | MT-1S Belt bag |
| 2155/00.05 Switchable SC adapter | Switchable SC adapter |
| Accessories | |
| Ordering number | Description |
| 2155/00.32 | Switchable ST adapter |
| 2155/00.06 | Switchable SC adapter |
| 2155/00.05 | Switchable FC adapter |
| 2150/00.07 | Switchable LC adapter |
| 2229/90.21 | OCK-10 Optical Connector Cleaning Kit |
| 2237/90.02 | NiMH cells, Mignon/AA, 1.2 V (4 required per instrument) |
| 2277/90.01 | SNT-121A Worldwide compatible AC adapter |
| K804 | USB connection cable |
| 2277/90.02 | MT-1S belt bag for one instrument |
| 2126/03 | MT-2S belt bag for two instruments |
| 2126/04 | MT-3S belt bag for two instruments |

VIAMI Care Support Plans

Increase your productivity for up to 5 years with optional VIAMI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

For more Information: go to viavisolutions.com/viavicareplan

Features

*5-year plans only

| Plan | Objective | Technical Assistance | Factory Repair | Priority Service | Self-paced Training | 5 Year Battery and Bag Coverage | Factory Calibration | Accessory Coverage | Express Loaner |
|---|------------------------------------|----------------------|----------------|------------------|---------------------|---------------------------------|---------------------|--------------------|----------------|
|  BronzeCare | Technician Efficiency | Premium | ✓ | ✓ | ✓ | | | | |
|  SilverCare | Maintenance & Measurement Accuracy | Premium | ✓ | ✓ | ✓ | ✓* | ✓ | | |
|  MaxCare | High Availability | Premium | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |



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