

OLC-65 Optical Level Controller

Highlights

- Variable optical attenuator and high performance optical power meter function in a rugged handheld instrument
- Automatic optical level control for stable output power level
- User programmable test cycles for various attenuation values
- Combined attenuation and power meter function simplifies test set-ups and speeds measurement time
- Remote control via RS-232



Designed for economic and flexible use in optical testing

The OLC-65 Optical Level Controller is part of a new premium class of optical handheld instruments, maintenance and troubleshooting applications. The instruments offer three operating modes: variable optical attenuator, optical power meter function and automatic optical level controller for greater flexibility.

The OLC-65 provides remote control via SCPI comments over RS-232. Future releases will incorporate functionalities for report generation – making the instrument suitable for a compatible with customer environments – and transfer of stored results to PC for analysis.

The OLC-65 can be operated with an AC line adapter, standard dry or rechargeable AA batteries that can be easily changed. Its compact size makes the OLC-65 ideal for field use. All units have robust housing to provide excellent protection of optical ports and ensure reliable operation particularly in field conditions.

Wide range of applications

This all-in one instrument is a powerful and economical test toll for many field applications including:

- control and display of power level during receiver sensitivity testing
- provision of stable power level at system interfaces
- simulation of line loss for BER testing
- power level control for calibration test set-ups

The OLC-65 contains an attenuator and a power meter function making test set-up simple and eliminating the need to connect several instruments, cables and couplers.

Industry leading JDSU Optical Handhelds range

JDSU has been a pioneer in optical handheld instruments for more than 20 years with products that are recognized worldwide for their quality, reliability, ease-of-use, and low cost of ownership. The OLC-65 is the newest member to this industry leading range of products designed to deliver maximum performance.

JDSU OLC-65 product specifications

Preliminary

Optical interfaces:

Interfaces	Optical input and output
Fiber type	SM,9/125 μm
Interchangeable adapters	FC-PC, SC-PC, ST, DIN, LC ⁽¹⁾

Wavelength

Application range	1260 nm to 1650 nm
Calibration wavelength	1310 nm, 1550 nm, 1625 nm

Optical input power

Maximum total power ⁽²⁾	+23 dBm
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Optical power meter function

Display range	-60 dBm to +23 dBm
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Variable optical attenuator

Setting range	3 dB to 60 dB
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Dimensions

Dimensions (w x h x d in mm)	115 x 225 x 57
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Display

Display	1/4 VGA, b/w
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Electrical interfaces

Electrical interfaces	RS-232, USB client ⁽³⁾
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Power supply

Dry batteries	4 x Mignon (AA size), 1.5 V
NiMH	4 x Mignon (AA size), 1.2 V, 1.8 Ah
AC line operation	separate AC line adapter

⁽¹⁾ LC connector upon request

⁽²⁾ for λ < 1400 nm max. total power = +17 dBm

⁽³⁾ USB client for future applications

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