

K305 Variable Optical Attenuator

Product Overview

The K305 Series Variable Optical Attenuator allows for fast and precise continuous attenuation of optical signals (0–30dB or 0–60dB) with 0.1dB accuracy. It supports five common wavelengths, provides backlight adjustment, and includes user self-calibration.

Designed for the installation, upgrading, and maintenance of optical fiber networks, the K305 Series is extensively used in optical fiber communications, sensing, construction, and Optical CATV applications.

Key Features

- **Calibration Wavelengths:** 1310 nm/1490 nm/1550 nm/
1625 nm/1650 nm
- **Power Supply:** Lithium battery with up to 48 hours of operation
- **Interface:** FC/UPC universal interface (interchangeable with SC)
- **Optical Attenuation Range:** 0–30 dB / 0–60 dB
- **Resolution & Performance:** 0.1dB adjustment with low insertion loss
- **Additional Features:** Automatic shutdown and backlight display



Compact Design
Lightweight and
easy to carry



Single chip control
Multi-Functional combination



Ultra low power
consumptions 48h
working time



USB Interface
Portable Battery Charging



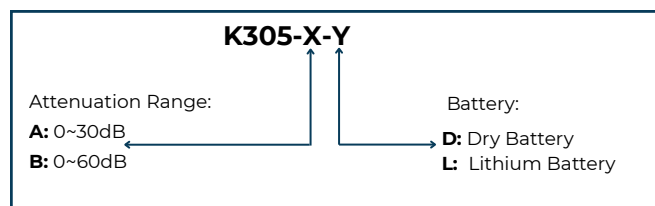
Environmental adaptability
Operating temperature
-10°C~+50°C

K305 Technical Specifications

Optical Attenuator

Wavelength	850nm/1300nm/ 1310nm/1490nm/1550nm/1625nm/1650nm	
Attenuation Range	0~30dB	0~60dB
Connector	FC/UPC (Interchangeable SC)	
Display Resolution	0.1dB	
Attenuation Repeatability	±0.1dB	±0.1dB (0–40 dB) ±0.25 dB (40–80 dB)
Attenuation Accuracy	±0.25dB	±0.25dB (0-40dB)/ ±0.4dB (40-80dB)
Maximum Input Optical Power	+18dBm	
Power Supply	Three AA batteries or 1500 mAh rechargeable lithium battery (optional) AC/DC Adapter: Input 100–240V, 50–60 Hz, 0.1A; Output DC 5V ±0.5V, 2A	
Automatic Shutdown Time	10 minutes	
Continuous working Time	>48 hours	
Operating Temperature	-10 °C to +50 °C	
Storage Temperature	40 °C to +70 °C	
Relatives Humidity	0–95% (non-condensing)	
Size	186 mm × 100 mm × 50 mm	
Weight	<180g	

Ordering Information



Configuration list

No.	Name	Quantity	Remarks
1	Host	1	
2	User's Manual	1	
3	Qualification Certificate/ Service Guarantee Card	1	
4	SC Adapter	2	
5	AA Battery	3	Dry Battery Selected
6	Lithium Battery	1	1500mAh
7	Data Line	1	Lithium Battery Selected
8	AC/DC Adapter	1	Lithium Battery Selected