# UC873X 4/8 CH Single-Mode Variable Optical Attenuator

Technical Specifications Ver 1.40E April, 2019





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### UC873X Multi-Chanel Signle-mode Variable Optical Attenuator

### Applications

#### **Optical Transceiver Testing**

In the multi-channel error measurement of optical transceiver module, parallel data measurement is realized; In the sensitivity measurement of the optical receiving module, a parallel, fast and accurate optical power input is provided; Optical power control stability time 100 ms, greatly improve test efficiency.

#### Integrated test of optical network

When integrating and testing network equipment to test network transmission performance and network management.

### Features

Fast, accurate settings of attenuation and optical power, Set time: 100 ms The multi-channel attenuator is set at the same time and multiple ports are simultaneously measured, thus saving a great deal of measurement time. Built in high-precision OPM ensures the stability and accuracy. Simple and intuitive graphical user interface, multi-channel data preview, test status is a glance.



UC8738 8CH Single-Mode VOA

## Specification

Model #	U8734 4Ch.	U8738 8Ch.		
Attenuator Range	0~4	0 dB		
Calibration Wavelength	1270 / 1286 / 1290 / 1310 / 1330 / 1510 / 1	1270 / 1286 / 1290 / 1295 / 1300 / 1305 / 1310 / 1330 / 1510 / 1530 / 1550 / 1570 nm		
Insertion Loss	≤1.:	≤1.5 dB		
Fiber Type	9/125 um s	9/125 um single mode		
Connector Type	FC/UPC Connector	FC/UPC Connector (FC/APC Option)		
Attenuation Accuracy	$\leq \pm 0.1 \text{ dB} (0)$ $\leq \pm 0.02 \text{ dB By}$	$\leq \pm 0.1 \text{ dB} (0 \sim 25 \text{ dB}),$ $\leq \pm 0.02 \text{ dB By Power Control}$		
Repeatability	$\leq \pm 0.$	$\leq \pm 0.02 \text{ dB}$		
Averaging time of monitor power meter	1~10	00ms		
Sampling Time	100	Oms		
Attenuation Transition Speed	0.1 ~ 5	50 dB/s		
Return Loss	> 4:	5 dB		
Maximum safe input power	+27	dBm		
Communication Interface	RS232, USB,RJ	RS232, USB, RJ45 Control by PC		
Recalibration Period	2 y	2 years		
Operation Temperature	0~-	0~+40°C		
Storage Temperature	-30~	-30~+80°C		
Power	100~	100~240 V		
Dimensions	235mm W, 55 m	nm H, 320 mm D		
Weight	3.0	) kg		

## **GUI** interface:

Attenuator 1 -> 2		Attenuator 3 -> 4		Attenuator 5 -> 6		Attenuator 7 -> 8	-
-64	.99dBm	-64	.99dBm	-64	.99dBm	-65	.00dBm
Output		Output		Output		Output	
a set	40.00dB	α set	40.00dB	<mark>α set</mark>	40.00dB	α set	40.00dB
P <mark>s</mark> et	-40.00dBm	P set	-40.00dBm	P set	-40.00dBm	P set	-40.00dBm
Power Control	OFF	Power Control	OFF	Power Control	OFF	Power Control	OFF
Wavelength	850nm	Wavelength	850nm	Wavelength	850nm	Wavelength	850nm
Avg Time	20ms	Avg Time	20ms	Avg Time	20ms	Avg Time	20ms
α Offset	0.00	α Offset	0.00	α Offset	0.00	α Offset	0.00
P Offset	0.00	P Offset	0.00	P Offset	0.00	P Offset	0.00

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File(F) View(V)	Help(H)		
COM11 V	nect Refresh	ALL ON ALL	OFF Overview
Attenuator 1 -> 2 Att	enuator 3 -> 4	Attenuator 5 -> 6	Attenuator 7 -> 8
Output			
	-64	4.99d	Bm 🗦
Control			
a set	40.00 [	dB	-
			-20-
Power Control	OFF 🗸		-ve
	850		44
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Wavelength Power Unit Avg Time Offsets Cl Offset	dBm ♥ 20 [ 0.00 [	Ţ IM ↑ ms ↓ dB	

### **Contact Information**

**United States:** 

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