

# KG-MODL series



## dynamoelectric optical adjustable delay device [www.conquer-oc.com](http://www.conquer-oc.com)

KG-MODL series dynamoelectric optical adjustable delay device is an electronic control, accurate adjustment of optical delay device, with high integration and low cost characteristics, the device can provide 300ps, 660ps, 1000ps, 1200ps, 2000ps optical delay. Accurate delay control is achieved by remote control via RS-232, RS485 or RS422 interfaces. For the convenience of users, portable LCD controllers can also be provided.

### product feature

Low insertion loss  
High integration, electric control  
Stable and reliable

### Application field

Optical interferometer, optical coherence tomography imaging, optical coherence communication, radar calibration, spectral detection, etc.

### Technical index



Argument	KG-MODL-300	KG-MODL-600	KG-MODL-1000	KG-MODL-1200	KG-MODL-2000
Optical delay range	0~300 ps	0~660 ps	0~1000 ps	0~1200ps	0~2000ps
Minimum resolution of optical delay	4.2fs	4.2fs	4.2fs	4.2fs	8.4fs
Optical delay accuracy	34 fs				68fs
Insertion loss	<1.5 dB	<1.5 dB	<2 dB	<2dB	<3 dB
Change in insertion loss	±0.5 dB				±0.7 dB
Return loss	>55 dB				
Operating wavelength	1310 nm\ 1550 nm\ 1310nm&1550nm				
Optical power threshold	300 mW				
Electrical interface	RS-485 (RS232、422 Order instructions)				
Operating temperature	0~50℃ (Below 0℃ requires screening)				
Storage temperature	-20~70℃				
Overall dimension	110*45*29 mm	160*45*29 mm	210*45*29 mm	210*45*29 mm	237*39*36 mm
Fiber type	SMF-28、Panda PM				

Ordering information

KG	MODL	XXX	XX	XX	XX	XX
	dynamoelectric optical adjustable delay device	Delay scope: 300--300ps 660—660ps 1000—1000ps 1200---1200ps 2000---2000ps	Working wavelength: 13---1310nm 15---1550nm 35---1310&1550nm	Fiber type: S---SMF P---PMF	Optical fiber connector: FP---FC/PC FA---FC/APC SP--User assignment	尾纤长度: 10---1m 15---1.5m SP---User assignment

\*If you have any special requirements, please contact our sales manager