

OPTICAL ENCODER MODULE 2 (OEM2)



Features

- 3 input channels (simultaneous readout)
- Suitable for all products with the -COE option
- Reduced laser power, minimize dissipation COE
- Counter data available as Quadrature AB output
- Status LEDs on front panel
- Fits in Cryo Actuator Base Cabinet (CAB)

Description / Applications

The Optical Encoder Module 2 (OEM2) has 3 inputs for Cryo Optical Encoders (-COE option). Encoder inputs can be monitored simultaneously via the Basedrive or Servodrive control. Counter data is also available to an external DAQ system by means of a Quadrature/AB-like output signal (Flexdrive). The module needs to be installed in the Cryo Actuator Base Cabinet (CAB).

Specifications

specs	unit	OEM2
Input channels	-	3 (simultaneous readout)
Compatible with	-	COE
Counter range	-	$-2^{17} \dots (2^{17})-1$
Counter type	-	Dual edge, bi-directional
Wavelength	nm	1310
Laser output power**	μ W	< 5
Input connector	-	FC/APC narrow key, female
External output	-	Quadrature AB* (5[V] TTL)
External in-/output connector	-	Sub-D, 25p, male
Control (via PC)	-	Basedrive, Servodrive, Flexdrive
Power supply via	-	CAB-115 or CAB-230
Mass	grams	850
Dimensions	-	3U / 14HP
* OEM2 requires an external direction signal as input (5V TTL). User has to supply this signal to the External in-/output connector		
** Laser source is a Class 3B type (5mW, invisible light). Module is designed such that the laser light on connector output is significantly reduced.		

Mechanical and electrical information

Download 3D-Step files, interface drawings and user manuals from:
<https://www.jpe-innovations.com/cryo-nano-products/>

Contact

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