OEM2 – OPTICAL ENCODER MODULE 2

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-comparable output
- Status LEDs on front panel
- Fits in 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 Base Cabinet (CAB).

Specifications

General info	
Input channels	3 (simultaneous readout)
Compatible with	Cryo Optical Encoders (-COE)
Power supply via	CAB
Dimensions	3U / 14HP
Weight	850 g
Counter	
Range	-2^{17} … $(2^{17})-1$
Type	Dual edge, bi-directional
Laser Output	
Wavelength	1310 nm
Output power	<5 µW *(laser source is a Class 3B type (5mW, invisible light). Module is designed such that the laser light on connector output is significantly reduced).*
Connector	FC/APC narrow key, female
External in-/output	
Output type	Quadrature AB, 5V TTL *(OEM2 requires an external direction signal as input (5V TTL). User has to supply this signal to the External in-/output connector).*
Connector	25p Male D-Sub
Control	
Modes of operation	Basedrive, Servodrive or Flexdrive *(all via CAB interface)*

Ordering Information

Available models

OEM2	Optical Encoder Module 2

Available Options

None

Accessories

AF5	Ambient Fibre (3m, FC/APC-FC/APC, narrow key)

Mechanical and electrical information

Download 3D step files and manuals from:
https://www.jpe-innovations.com/cryo-nano-products/

Contact

For quotations, specials, or engineering services, please contact us at:
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