



## nEMESYS OEM160 & OEM210 SYRINGE PUMP

### DESCRIPTION

For integration purposes, CETONI offers various accurate and pulsation free OEM dosing units. The nEMESYS OEM modules based on the nEMESYS low pressure laboratory model with increased integration capability.

Each module comprises an automatic 3/2-way valve (10 bar) for automated refilling or long term (-continuous flow) operation as well as a universal syringe holder for multiple syringe types (up to 25 ml).



### ELECTRICAL INTERFACE

	Socket Type	Signal
Power Supply	Molex Mini-Fit Jr.TM 2-Pole Type	Max. 30 V DC
CAN (1 Mbit/s)	JST XARR-03V	CAN High CAN Low CAN GND
RS232 (115200 bit/s)	JST XARR-04V	TxD RxD GND Shield
Signal / I/O	JST XARR-12V	AI1, AI2 (0 - 5V) DI1, DI2, DI7 DO1, DO2, DO5 DGND, AGND +24V DC, +5V DC
Shield	PE Connector	

### MECHANICAL DATA

#### OEM 160

Weight ..... 1.1 kg  
Dimensions (L x W x H) ..... 160 x 44 x 192 mm  
Attachments ..... M3 screws

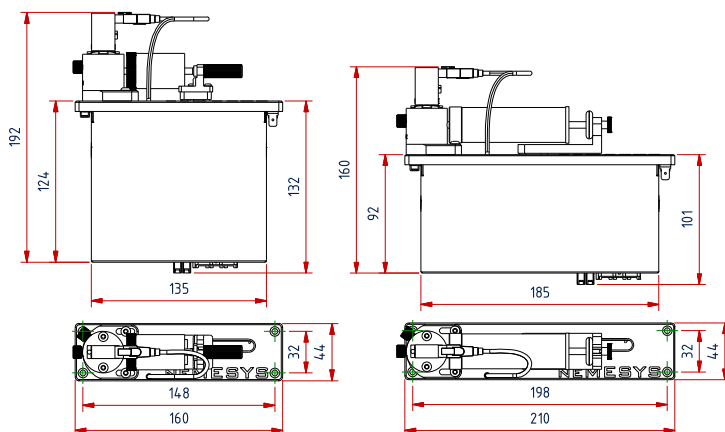
#### OEM 210

Weight ..... 1.4 kg  
Dimensions (L x W x H) ..... 210 x 44 x 160 mm  
Attachments ..... M3 screws

### ENVIRONMENT

Operating Temperature ..... 0 – 45 °C  
Storage Temperature ..... -40 – 85 °C  
Operating Humidity ..... 20 – 80 %, Noncondensing  
Storage Humidity ..... 20 – 80 %, Noncondensing  
Sound Power Level ..... < 70 dB (A)

### MECHANICAL DRAWING



### ELECTRICAL DATA

Power Supply Voltage (Input) ..... 24 V DC  
Peak Current at 24V DC ..... 0.6 A  
Typical Current at 24V DC ..... 0.3 A

### MODULE PERFORMANCE\*

Max. Pusher Velocity ..... 6 mm/s  
Min. Pusher Velocity ..... 1 nm/s  
Min. Pusher Travel ..... 35 nm  
Max. Linear Force ..... 290 N / 65 lbs

### MODULE CONFIGURATION

Gear Box Translation ..... 14:1\*, 29:1  
Syringe Holder (Syr. Diameter) ..... 6–30 mm  
Valve Type (3/2-way, Solenoid) ..... 10 bar\*

\*default configuration



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### NOTES

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