



# Stepper Motor Controller SMCx242

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## Features

- Intuitive manual user interface
- Well readable OLED display
- Fully-featured remote interface
- Automatic motor detection
- Automatic position calibration
- Up to 2.5 A of output current
- 24 V operating voltage
- Up to 1/32 microstepping
- Up to three limit/home switches per channel

## Applications

Polarization adjustment  
Grating positioning  
Neutral density filter positioning

## Description

The LK-Instruments SMC2242/SMC4242 is a universal Stepper Motor Controller for two/four bipolar stepper motors. It offers a comfortable manual user interface as well as fully-featured remote interface via a virtual COM port. This allows for simultaneous remote and manual control over stepper motor driven systems.



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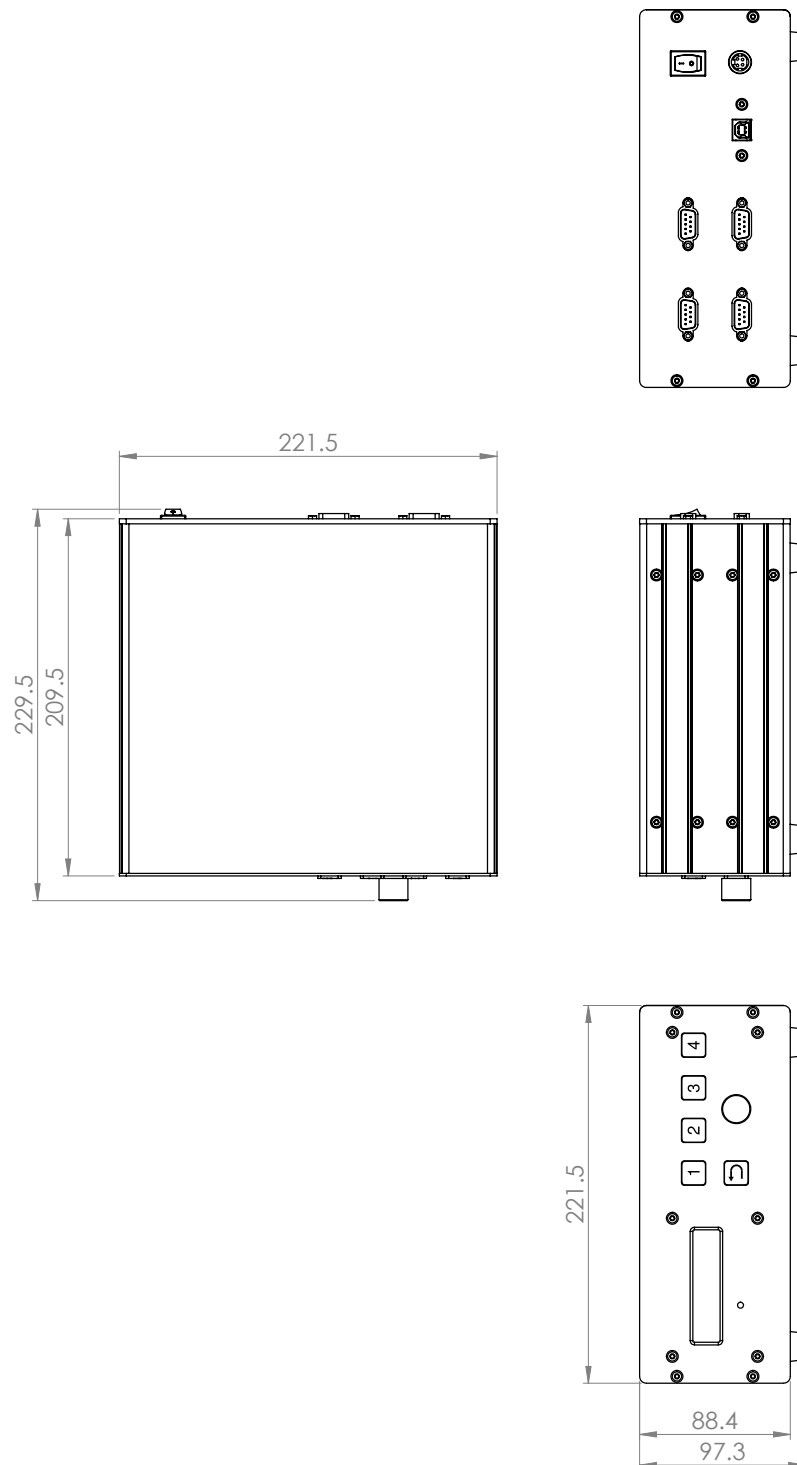
## Specifications

$T_A = 25^\circ\text{C}$  and 50% RH unless otherwise noted.

Parameter	Conditions	SMC2242			SMC4242			Unit
		Min	Typ	Max	Min	Typ	Max	
Current		0		2.5	0		2.5	A/Phase
Gear ratio								
Temperature range		0		40	0		40	$^\circ\text{C}$
Weight			???			???		kg
Operating voltage			24	36		24	36	VDC
Power consumption			???	???		???	???	W

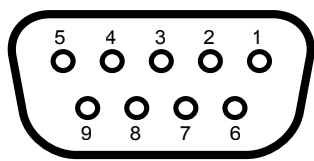
## Outer Dimensions

All dimensions in millimeters.



Pin Configuration

D-SUB-9 female connector



Front view

Pin	Function
1	Phase B1
2	Phase B2
3	Phase A2
4	Phase A1
5	Ground
6	+5V
7	Sens 1
8	Sens 2
9	Sens 3
Shield	NC

Ordering Information

