

# Motor Controller | Powerful Stirring

- Powerful stand-alone motor controller for laboratory applications
- Support of maintenance-free brushless motors reduces costs
- Easy operation due to very intuitive user interface

The Motor Controller is a robust and user-friendly device that allows for easy and stable mixing. The Motor Controller can be supplied with 4 different types of brushless stirrer motors that can support mixing in vessels up to 130 L.

The Motor Controller can be used in bioprocessing applications as a (more powerful) external motor controller for biocontrollers, such as the in-Control, or as a stand-alone controller that can be used for mixing applications. These can be mixing of medium tanks in bioprocessing applications or general mixing purposes in any industry. Furthermore, the Motor Controller can be used as replacement of the ADI 1032 motor controllers.

The Motor Controller can be controlled remotely, which allows for easy integration in existing systems and also allows for data logging in to external software platforms.

Intuitive software has been developed that makes it very easy for the operators to work with the controller and includes trending and alarming possibilities.

## Features

- Intuitive 7" color touchscreen user interface
- Integration with biocontrollers and/or SCADA software through external control possibility
- Integrated trending and alarming possibilities
- Support of 4 different types of brushless stirrer motor for control up to 130 L vessels

## Applications

- Stirrer motor controller in bioprocessing application
- Mixing device for general mixing purposes

## Related products

- Brushless stirrer motors: M10 for 2 – 7 L bioreactor  
M20 for 5 – 7 L bioreactor  
M14 for 15 – 130 L bioreactor (cell culture)  
M33 for 15 – 30 L bioreactor (microbial)
- Biocontrollers  
in-Control  
ADI 1010



## Specifications

### Stirring

<b>Measurement and control range</b>	M10: 0 - 2000 rpm M14: 0 - 750 rpm M20: 0 - 2000 rpm M33: 0 - 1000 rpm
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<b>Measurement and control accuracy</b>	0.1 % of full scale
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<b>Feedback</b>	Encoder
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<b>Motor type</b>	DC, permanent magnet
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<b>Safety features</b>	External E-stop
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<b>External control</b>	Via analog signal SCADA through ethernet connection
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### Control

<b>Control hardware platform</b>	Applikon proprietary
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<b>Control software platform</b>	Applikon firmware
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<b>Certifications</b>	CE certified, GAMP compliant,
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<b>Connectivity</b>	Compatible with SUB-Control, ez-Control, ez2-Control, my-Control, in-Control and i-Control
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