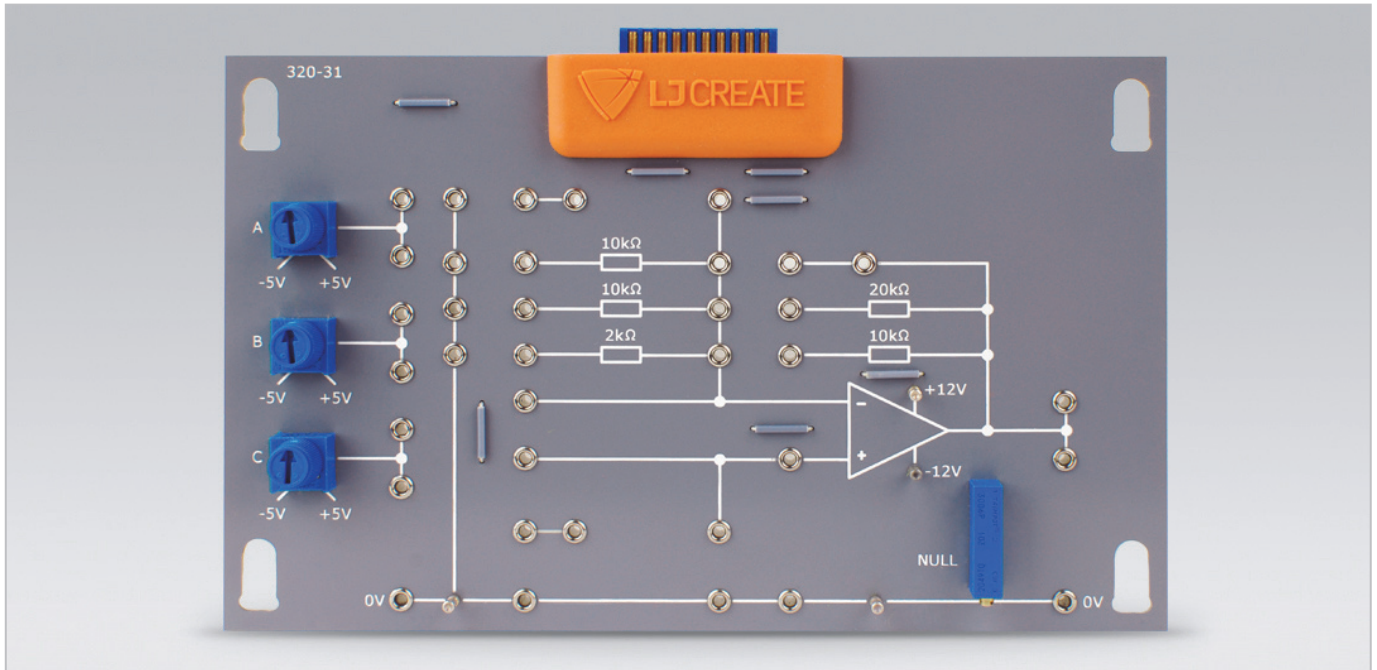


# Product Information Sheet

## Operational Amplifiers Card



This practical resource allows students to investigate operational amplifier circuits through a range of practical activities.

The card is designed for use with the Electronics Study Trainer (320-00).

Practical activities based around this card are available within the digital curriculum materials provided with the Electronics Study Trainer.

The card may also be used with our optional cloud-based software. This contains theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

### The Card Includes the Following:

- Voltage Comparator
- Inverting amplifier
- Non-inverting amplifier
- Voltage follower
- Summing amplifier
- Difference amplifier
- Integrator
- Differentiator
- Switched faults are included for fault-finding activities.

### Practical Tasks Include the Following:

- Investigating a voltage comparator circuit
- Building and testing an inverting amplifier
- Building and testing a non-inverting amplifier
- High Frequency Performance of an Operational Amplifier
- Fault-finding operational amplifier circuits

### Items Included:

- Circuit Card

### Other Items Required:

- Electronics Circuits Trainer (320-00)
- Digital Multimeter
- Dual Trace Oscilloscope
- Signal Generator

### General Information:

Card Dimensions:  
160 x 100 x 20 mm (W, H, D)

Packaging:  
Orders for multiple 320-series cards are shipped in storage boxes.

Shipping Volume:  
Single card: 0.001 m<sup>3</sup>  
Storage box: 0.015 m<sup>3</sup>

Shipping Weight:  
Single card: 0.2 kg  
Storage box: 0.5 kg

Please contact LJ Create for estimated shipping volume and weight for your specific order requirements.

**Order Code: 320-31**

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For more information visit [www.ljcreate.com](http://www.ljcreate.com)