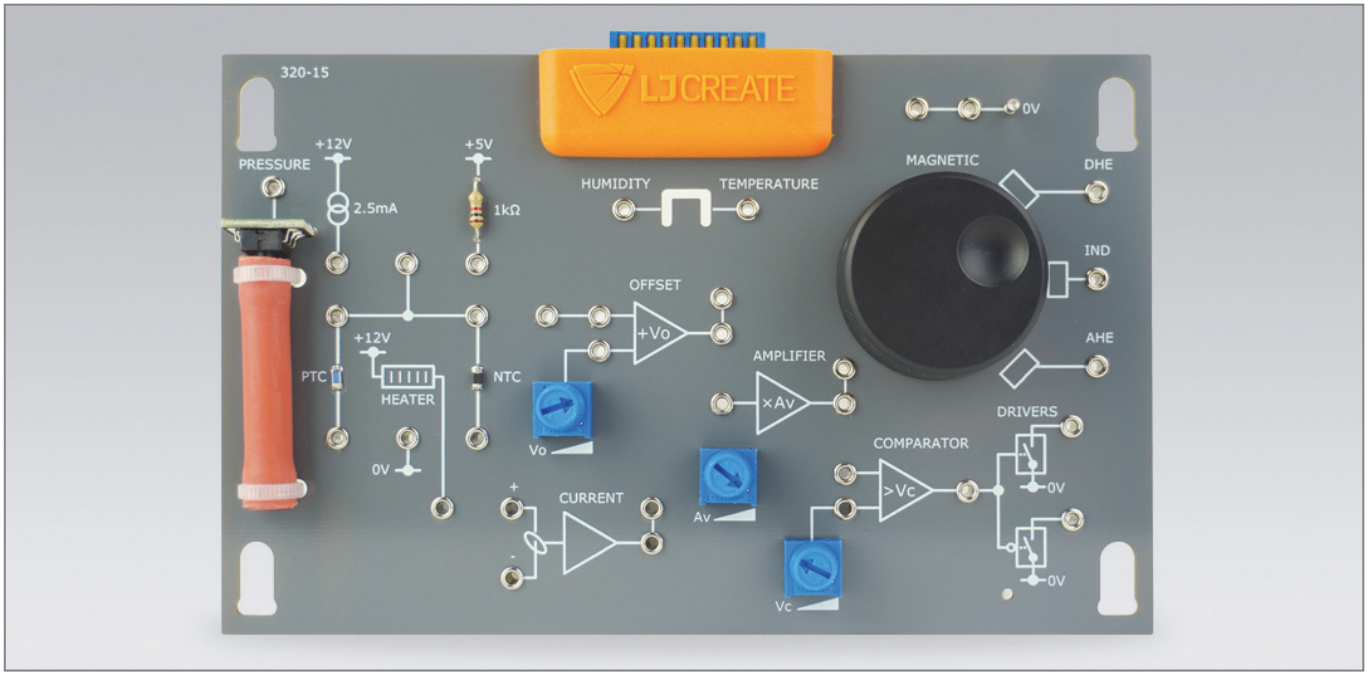
Product Information Sheet

Input Transducers Card



This practical resource allows students to investigate different input sensors 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:

- Photo Sensor (auto headlamp)
- NTC Sensor
- PTC Sensor
- Heater
- Current Sensor
- Digital Hall Effect Sensor
- Analog Hall Effect Sensor
- Inductive Sensor
- Rotary Device
- Offset, Power and Comparator Amplifiers
- Switched faults for fault-finding activities

Practical Tasks Include the Following:

- Photo sensors – auto headlamp circuit
- Temperature sensor – NTC thermistor
- PTC temperature sensor operation
- Closed loop temperature control circuit
- Closed loop circuit – hysteresis
- Operation of a humidity and temperature sensor
- Operation of a current sensor
- Operation of a pressure sensor
- Digital hall effect sensor
- Analog hall effect sensor
- Operation of an inductive sensor
- Low pass filter application

Items Included:

- Circuit Card

Other Items Required:

- Electronics Study Trainer (320-00)
- Digital Multimeter
- Dual Trace Oscilloscope

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^3
Storage box: 0.015 m^3

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: 320-15

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For more information visit www.ljcreate.com