

Inductor Assortment Kits

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electronics & Prototyping

Inductor kits stock coils and chokes across a range of values - from microhenries to millihenries - for filtering, boost converter output stages, oscillators and RFID antenna tuning. They complete the passive component set.

Key Features

- Values from 1 μH to 10 mH
- Axial, radial and toroidal forms
- Current ratings marked
- Assorted physical sizes
- Labelled storage

Typical Uses in the Workshop

- Filter noise in power lines
- Tune oscillator and antenna circuits
- Output smoothing in converters
- DC blocking and chokes

Safe Operation

1. Select the value and current rating
2. Mount clear of heat sources
3. Orient toroids to avoid interference
4. Test resonance with the circuit
5. Mind the saturation current

SAFETY NOTES

- Inductors store energy - discharge before touching
- Do not exceed the current rating
- Keep away from magnetic materials
- Check the solder joints
- Store away from moisture

Maintenance & Consumables

- Keep the kit sorted by value
- Check for cracked cores
- Verify values with an LCR meter
- Store in the parts drawers
- Restock the used values

Specification & Buying Notes

An assortment covering 1 μH to 1 mH with clear markings suits school projects. Quality inductors hold their value; unmarked surplus coils waste class time.