

## Student set Equipotential lines and electric fields, TESS advanced Physics

Article no: 15250-88



### Function and Applications

Set for simple measurement and recording of equipotential lines of different electrode configurations without electrolytes on electrically conducting paper. This set allows the performance of 5 student experiments about the following topics:

- Electric fields
- Electric field strength
- Inhomogeneous electric fields (dipole fields)
- The electric conductor as an equipotential surface
- Electrostatic tip-shape effect

### Benefits

- Complete equipment set: simple execution of the experiments
- The equipment is stored in a rugged, stackable and compact box, allowing quick control of completeness (foam insert)
- Experimenting literature for pupils and teachers available: minimal preparation time
- Matched with international Curriculum: all topics are covered
- No electrolyte required
- Direct measurement of potential with high resistance voltmeter
- Measuring points can be transferred (pressed through) onto a sheet of white paper during measurement
- Easy teaching and efficient learning through the digital experiment descriptions enclosed as QR codes

### Equipment and technical data

- The equipment set consists of all necessary components for the experiments

### Scope of delivery

Mounting plate r, 16cmx21cm	13002-00	1
Universal holder for equipotential lines	13024-24	2
Polycarbonate plate, 136x112x1 mm	13027-05	1
Set of electrodes with holder for set equipotential lines	13027-24	1
Carbon paper f.Equipot.15 sheets	13027-30	1
TESS box, plastics, high, 305 x 425 x 150 mm	15200-01	1
Lid for TESS box, plastic	15205-01	1

## Necessary accessories

TESS advanced Equipotential lines necessary accessories for 1 group 13411-88

## Recommended accessories

Carrying system for student experiment boxes 25200-00

Handbuch Schülerversuche Äquipotentiallinien und elektrisches Feld, TESS advanced Physik 13029-01