

Digital Inclinometers and Angle Finders

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Measuring & Inspection

A digital inclinometer measures angles from a horizontal or vertical reference with an electronic sensor, showing degrees, percentages and bevels on a display. It checks machine table angles, blade tilts and project surfaces far more precisely than a bevel gauge.

Key Features

- Ranges of 4 x 90 degrees typical
- Accuracy to 0.1 degrees
- Magnetic bases for machine use
- Hold and zero functions
- Display with backlight

Typical Uses in the Workshop

- Set table saw and mitre saw angles
- Check work and machine surfaces are level
- Measure bevels and slopes on projects
- Set drill and router table angles

Safe Operation

1. Place the tool on the surface to measure
2. Zero it on a known reference first
3. Read the angle, ratio or percentage
4. Hold the reading where the view is blocked
5. Re-zero for each new reference

SAFETY NOTES

- Do not bash or drop the tool
- Keep the magnetic base off screens
- Protect from water and dust
- Do not force the tool into tight spots
- Store with the display protected

Maintenance & Consumables

- Clean the base and edges
- Check the battery
- Verify against a known angle
- Keep the magnetic faces clean
- Store in its case

Specification & Buying Notes

A magnetic-base digital inclinometer with 0.1 degree accuracy covers machine and workshop angle checks. Choose one with a hold button and backlight for classroom clarity.