



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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**Electronic digital theodolite**

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500-196

**Total Station with EDM, Tribach, Li-Ion Battery, Charger, Flat Prism, Reflector Pole and Carry Case**

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77-0470

**Rock Classification Hammer**

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77-0480

**NW Rock Cradle**

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## Electronic digital theodolite

Code: [500-175](#)

Product Group: [Surveying Equipment](#)

Supplied complete with instruction manual, protective cover, carrying case and a heavy duty, aluminium tripod.

## Specification

Magnification	30x
Clear Objective Aperture	45 mm
Shortest Focusing Distance	1.4 mm
Accuracy	2 mgon (10 inches)
Min Reading	1 mgon (5')



## Total Station with EDM, Tribach, Li-Ion Battery, Charger, Flat Prism, Reflector Pole and Carry Case

Code: **500-196**

Product Group: **Surveying Equipment**

The Tool Station is specifically designed for non-surveyors, such as site foremen architects and landscape gardeners etc. who have no direct surveying education. It is trouble-free, accurate and quick.

Many customers are very familiar with co-ordinates in their office based CAD design & drawing packages and the Builder is really just an extension of this environment in the field.

Clear and intuitive graphical interface increases workflow.

Data can be collected in the field as a series of points and transferred directly to the CAD package and a design can similarly be uploaded for setting out in the field.

Data can be exchanged via USB stick.

The software has a simple menu structure, which guides the user through each task in terminology that the layman can easily follow and understand.

The 500-196 will calculate all the angles and measure the distances with the in-built laser. Quick, Efficient, Accurate!

With the 500-196 you can call up plan data and record points, eliminating read and write errors.

Data can be exchanged via industrial grade USB stick, simplifying data handling.

It also features a direct DXF download function, tracking mode, setup anywhere function, optional volume calculation.

- Up to 120m reflectorless
- Up to 250m with flat prism or reflective tape.
- Internal Memory - up to 15,000 points
- Serial RS232 Interface
- USB Compartment
- Laser Plummet
- 1 keyboard
- Extended RedDot range
- Industrial USB Memory Stick
- USB Type A and mini B
- Volumes Calculation

- Data Im/Export to USB Stick
- Setout by co-ordinates or baseline offset
- Survey points with codes and point numbers

- Direct DXF download
- 1-Man Station
- Serial Interface
- Tracking Mode
- Laser Pointer Switch Key
- PC/Handheld Interface
- Laser Distance Measure
- Control Line Setup
- Free Station Setup
- Theft Protection
- Pit Stop Alert
- 3 Languages
- Electronic Levelling
- Sector Beep
- Dual Axis Compensator
- Endless Drives
- Laser Plummet
- Display Heating and Illumination
- Li-Ion Batteries
- Set Delivery
- Internal Memory (points): 15,000
- Accuracy/Option: 9"
- Laser Pointer
- Range without reflector (90% reflective):

120m

- Range to reflective tape (60mm x 90mm):

250m

- Laser Dot Size: At 30m: approx. 7mm x

10mm, At 50m: approx. 8mm x 20mm

- Weight incl. Battery & Tribrach: 5.1kg
- Operating Temperature: -20°C to +50°C
- Battery Type/Life: Li-Ion/approx. 20 hours
- Environmental: IP55
- Keyboard: Standard
- Switch Key: single function



## Rock Classification Hammer

Code: [77-0470](#)

Product Group: [Rock Classification Hammer](#)

This lightweight and portable impact hammer is used for rock classification tests. The hammer is similar to a device used for many years for strength classification tests of mass concrete. Cylindrical cores, usually NW size, are held in a horizontal position and the hammer mechanism impacted against the core to obtain rebound readings. A series of readings is taken along the length of the core to get the average rebound number.

Standards: ASTM D5873, EN 12504-2, ASTM C805

## Specification

Plunger

Applies pressure for hammer rebound

Body

Aluminum; with indicator scale

Rubbing Stone

Prepares test surface

Accuracy

Within 15 %

Weight

Net 3 lbs. (1.4 kg)





## NW Rock Cradle

Code: [77-0480](#)

Product Group: [Rock Classification Hammer, NW Rock Cradle](#)

The Rock Cradle is used to hold cores in place during rock classification test procedures. The cradle incorporates a guide for positioning the hammer to allow for a series of readings along the length of the core

Standards: ASTM D5873

## Specification

Construction

All metal; treated for rust resistance

Core Size

NW size specimens

Weight

Net 20 lbs. (9.1 kg)