

COMPARATOR AND DISCS

INSTRUCTIONS FOR USING PALINTEST COMPARATOR AND COLOUR DISCS

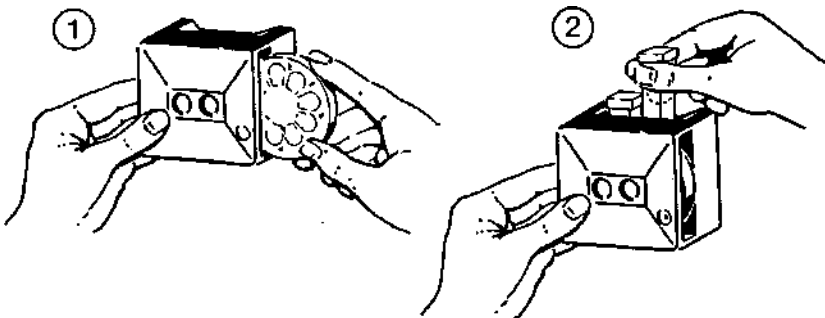
The Palintest Comparator is used in conjunction with a range of interchangeable colour discs. The Comparator and Discs are integrated with the Palintest system of water analysis. The Comparator is used to compare the colour produced in each test against the standard test colours provided on the disc. Colour discs are available for a complete range of water test parameters.

The Palintest Comparator uses 13.5 mm, 10 ml square test tubes. The Palintest Comparator, discs and test tubes conform to international dimensions and are interchangeable with most standard comparator systems.

Instructions for Use

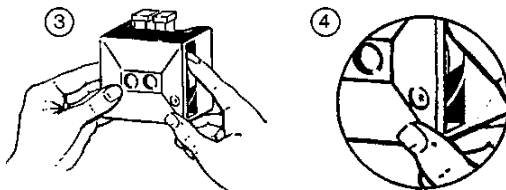
Instructions for carrying out specific tests are given on separate instruction sheets. The instructions below describe the general use of the Comparator in all water tests :-

- 1 Select the correct colour disc for the parameter under test. Insert the disc into the Comparator ensuring the numbers are facing the user.



- 2 Place the square test tube containing the treated sample in the right-hand side of the tube holder. A square test tube containing sample only should be placed in the left-side of the tube holder to compensate for any inherent colour in the sample.

- 3 Hold the Comparator against a source of white light, such as north daylight, or use a Palintest Light Unit, and rotate the disc until the colours are seen to match.



- 4 Take the disc reading which appears in the aperture on the front of the Comparator.

Light Unit

The Palintest Light Unit (PT 522) is a portable lighting device which fits directly onto the Palintest Comparator. The unit produces the optimum white light for matching test solutions against Comparator discs. It eliminates the inconsistencies caused by variable daylight conditions or artificial light. The Light Unit is available as an optional extra.

The Palintest Light Unit is fitted with rechargeable batteries and has an internal photocell to maintain standard light output irrespective of battery condition. A green LED on the top of the unit illuminates to indicate that the light output is satisfactory for colour matching. When this LED goes out, it indicates that the unit needs recharging.

Care and Maintenance

Palintest Comparators and Discs are suitable for both laboratory and field use and are designed to give long and trouble-free operation. The Comparator body and Disc surfaces should be kept clean by occasionally wiping with a damp cloth and then drying carefully. On no account should solvents or abrasive materials be used.

Comparator Discs are colourfast and long-lasting. To ensure maximum life, replace discs in the plastic wallet after use. Avoid constant exposure to strong sunlight or exposure to sources of heat.

Palintest square test tubes are made from a high quality grade of crystal polyacrylate. Test tubes should be kept clean by rinsing and drying after use. Tubes which become scratched or discoloured through repeated use should be discarded.

Order Codes

PT 520T Palintest Comparator with two Square Test Tubes

PT 521/5 Square Test Tubes, 13.5 mm, 10 ml polyacrylate (Pack of 5)

PT 522 Portable Light Unit

CD Codes Colour Discs (see individual test instructions)

The design of Palintest Comparator and Discs are protected by - UK Registered Designs 2,002,474, 2,002,772 and 2,004,538
United States Patents Des 329,024 and 333,630