

educational

colourwave

colorimeter C07500



Simple, inexpensive colorimetry for the teaching environment



The Colourwave C07500 is designed with student users in mind. The C07500 is the natural successor to the well established C075 unit. The choice of absorbance or % Transmission readout allows explanation of the fundamentals of colorimetry. The integral kinetics mode permits the study of rates of reaction and results can be output to PC, chart recorder or printer.

Simple to use

An uncluttered digital display, coupled with simple push button controls makes the Colourwave ideal for beginners. Readings can be displayed as Absorbance Units or % Transmission with one button push.

Robust

The Colourwave C07500 is compact and robust enough to withstand the rigours of the teaching environment. Eight filters covering the range 440 - 700nm are held in an integral filter wheel preventing any accidental loss or damage. They can be exchanged if required.

Versatile

When the Colourwave is switched to kinetic mode, readings are taken approximately every second, recording results on the display and also via the analogue and digital outputs.

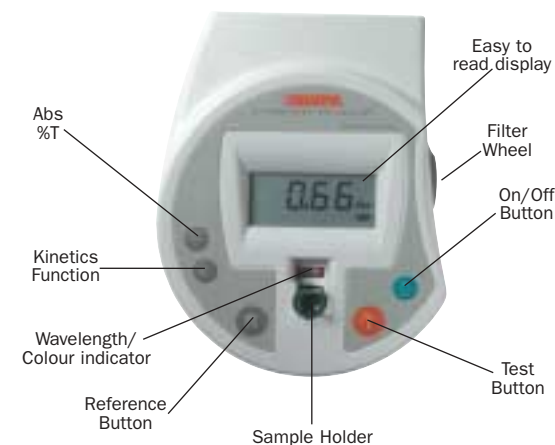
The Colourwave is available in mains and battery/mains powered versions.

SPECIFICATION

Range	Absorbance -0.3A to 1.99A % Transmission 0 to 199%T
Filters	8 gelatin filters 440 - 680nm range (440, 470, 490, 520, 550, 580, 590, 680)
Bandwidth	40nm
Repeatability	±0.02A at 1A
Operation	5 button - on/off, Reference, Test, Kinetics, Abs/%T
Output	
Analogue	0-2V for 0-2A 0-1.99V for 0-199%T } via 2 x 4mm sockets
Digital	RS232
Cuvette holder	Fixed with drain hole. Accepts 10mm pathlength cuvettes, or 16mm diameter tubes. Accepts 10 and 12mm tubes with adaptors.
Power	240v transformer supplied (110v to order). Rechargeable NiMH battery C07500B only
Kinetics	Yes
Dimensions	180 x 150 x 60mm
Weight	0.5kg (0.6kg C07500B)

ORDERING INFORMATION

C07500	Colourwave colorimeter
C07500B	As above with integral rechargeable battery
S2000P	40 Column Serial Printer
C07500L	Spare lamp
C07500F	Spare set of 8 filters
CVA100	Pack of 100 disposable acrylic cuvettes
ZN202	10mm tube adaptor
ZN201	12mm tube adaptor



The Colourwave C07500 colorimeter has a comprehensive two year warranty.



It complies with all relevant legislation including EMC and low voltage directives and is CE marked.

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The Old Station, Linton, Cambridge, CB1 6NW, UK
Tel: +44 1223 892688 Fax: +44 1223 894118
email: sales@wpaltd.co.uk, www.wpaltd.co.uk

