

**Model 6051 Laboratory Colorimeter**

- Easy to use
- Conventional style controls
- Ideal for routine & educational use
- Excellent sampling flexibility
- Mains or battery operated

The Model 6051 is a general purpose colorimeter, equipped with easy-to-use conventional style controls, making it ideal for routine and educational use.

Eight in-built filters are provided for use in commonly encountered determinations over the range of 400 to 710nm.

Results are displayed in either %Transmittance, Absorbance or Concentration units via a 17mm LCD readout.

Samples are presented to the 6051 in 10mm square cuvettes of standard or semi-micro volumes, test tubes, flow-through or pour in/suck out cells. Excellent sampling flexibility allows the use of 10, 20 and 40mm cells with the optional cell holder assemblies. Multiple sample handling is possible with the four cell carriage. A heated cell block is available for temperature dependent measurements.

An analogue output of 10mV per digit is fitted, as standard.

The Model 6051 is very versatile in that it can be mains operated on 230 or 115V supplies or battery operated from a 12V external supply.

## ACCESSORIES

Order No.	Description	Order No.	Description
605 003	10x10mm cell holder		
605 004	10x20mm cell holder	035 056	10x20mm glass cell
605 005	10x40mm cell holder	035 029	10x40mm glass cell
605 006	4 position cell carriage		
605 007	Heated cell block		
035 025	Flow-through cell (Visible 1.8ml)		
035 026	Pour in/Suck out cell		
060 084	Pack 100 (10x10mm) plastic cuvettes		
060 087	Pack 100 (10x10mm) plastic semi-micro cuvettes		
060 422	Moulded cuvette rack for 16 10x10mm cuvettes		
606 016	Filter - wavelength 400nm		
606 017	Filter - wavelength 405nm		
606 018	Filter - wavelength 540nm		
606 019	Filter - wavelength 620nm		

Alternative filters can be supplied to customer requirements - details on request.

## Technical Specification

Wavelength range:	400-710nm
Wavelength selection:	8 gelatin filters - 430, 470, 490, 520, 540, 580, 600, 710nm
Measurement ranges:	0-100%T, 0-1.50Abs, 0.1-1000Conc
Resolution:	1%T, 0.01Abs, 0.1 to 1Conc
Bandwidth:	Typcally 40nm
Blank drift:	2%/hr after 15 minutes
Photometric linearity:	1%T
Light source:	Tungsten filament
Display:	2½ digit LCD
Output:	Analogue 10mV per digit
Power:	230/115V ac ±15% 50/60Hz
Size:	300 x 355 x 120mm
Weight:	3Kg

## Order Codes

- 605 001** **Model 6051** supplied with 8 in-built filters, 100 disposable cuvettes, 10x10mm cell holder, mains lead and instruction manual. For use on 230V / 50Hz.
- 605 078** **Model 6051** supplied with 8 in-built filters, 100 disposable cuvettes, 10x10mm cell holder, mains lead and instruction manual. For use on 115V / 60Hz.

Jenway instruments are guaranteed for two years against faulty components or workmanship. Our policy is one of continuous research and development. We therefore reserve the right to amend the specifications given within this document without notice.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.