

6051

Colorimeter

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

Standard 10mm square cuvettes, semi-micro volume cuvettes, flow-through or pour in/suck out cells can all be used with the standard sample holder. Excellent sampling flexibility is achieved through the optional cell holder assemblies, allowing the use of 10, 20, and 40mm cells, whilst multiple sample handling is possible with the four cell carriage. For temperature-dependent measurements a heated cell block is available.

Technical Specification

| | |
|-----------------------|---|
| Wavelength range | 400 to 710nm |
| Wavelength selection | 8 in-built gelatin filters: 430, 470, 490, 520, 540, 580, 600 and 710nm |
| Measurement ranges | 0-100%T 0-1.50Abs 0.1 to 1000 Conc |
| Resolution | 1%T, 0.01Abs, 0.1 to 1 Conc |
| Bandwidth | Typically 40nm |
| Blank drift | 2%/hr after 15 minute warm-up |
| Photometric linearity | 1%T |
| Light source | Tungsten filament lamp |
| Output | Analogue, 10mV per digit |
| Power | 230V, 50Hz* |
| Size (l x w x d), mm | 300 x 355 x 120 |
| Weight, kg | 3 |

Key Features

- Wide wavelength range from 400 to 710nm
- Ideal for routine and educational use
- Easy to use and conventional style controls
- Sample flexibility with many size options
- Mains or battery operated



6051
Part code: 605 001

Ordering Information

| Part Code | Description |
|-----------|--|
| 605 001 | 6051 colorimeter supplied with 8 built in filters, 10x10mm cell holder, mains leads and plastic cuvettes (230V/50Hz) |

* Voltage variants available see page 94

Ordering Information

| Part Code | Description |
|-----------|---|
| 605 003 | 10 x 10mm cell holder |
| 606 017 | 405nm interference filter, 10nm bandwidth |
| 606 018 | 540nm interference filter, 10nm bandwidth |

Cells and Cuvettes

Ordering Information

| Part Code | Description |
|-----------|--|
| 035 027 | 10 x 10mm glass cell |
| 035 086 | 10 x 20mm glass cell |
| 035 029 | 10 x 40mm glass cell |
| 060 084 | 10 x 10mm 3ml plastic cuvettes (pack 100) |
| 060 087 | 10 x 10mm 1.5ml plastic cuvettes (pack 100) |
| 060 422 | Moulded cuvette rack for 16 10x10mm cuvettes |
| 605 064 | Tungsten filament lamp |



Cuvettes

(Left to Right)

Part code: 035 086, 035 029, 035 072

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