

# 7300

## Visible Spectrophotometer

The 7300 spectrophotometer uses icon driven software and has an improved navigation system for easy and intuitive usability. This instrument has measurement modes for absorbance, % transmittance and concentration. The 7300 is easy to use and is ideal for use in education and general QC laboratories.

### Technical Specification

#### Wavelength

|                    |               |
|--------------------|---------------|
| Range              | 320 to 1000nm |
| Resolution         | 1nm           |
| Accuracy           | ±2nm          |
| Spectral Bandwidth | 5nm           |

#### Photometrics

|                      |                                  |
|----------------------|----------------------------------|
| Absorbance Range     | -0.300 to 2.500A                 |
| Transmittance Range  | 0 to 199.9%T                     |
| Photometric Accuracy | ±1%T, ±0.01A at 1.000 Absorbance |

#### Concentration

|             |  |
|-------------|--|
| Range       | -300 to 9999   |
| Resolution  | Selectable 1/0.1/0.01/0.001  |
| Units       | no units, %, ppm, EBC, SRM, mEq/l, mEq, M, mM, µM, nM, U, U/l, U/ml, g/l, mg/l, µg/l, ng/l, g/dl, mg/dl, µg/dl, mg/ml, µg/ml, ng/ml, µg/µl, ng/µl, mol/l, mmol/l |
| Factor      | 0.001 to 10000   |
| Standard    | 0.001 to 1000  |
| Calibration | Blank with a single standard or factor   |

#### Other

|                      |                                   |
|----------------------|-----------------------------------|
| Light Source         | Tungsten halogen lamp             |
| Outputs              | Analogue, RS232, Internal printer |
| Size (w x d x h), mm | 275 X 400 X 220                   |
| Weight, kg           | 6                                 |

## Key Features

- Wavelength range 320 to 1000nm
- 5nm spectral bandwidth
- Icon driven software
- Small footprint
- Autologging capabilities
- 3 year warranty



7300

Part code: 730 001

## Ordering Information

| Part Code | Description  |
|-----------|--|
| 730 001   | 7300 Visible spectrophotometer fitted with a single 10x10mm cuvette holder and supplied with 100 disposable cuvettes, instruction manual, universal power supply, PC software on CD ROM and interface cable. |

## Key Features

- Wavelength range 198 to 1000nm
- 5nm spectral bandwidth
- Icon driven software
- Press to read xenon lamp
- Small footprint
- Autologging capabilities
- 3 year warranty including xenon lamp



## 7305

Part code: 730 501

## 7305

### UV/Visible Spectrophotometer

The 7305 spectrophotometer uses icon driven software and has an improved navigation system for easy and intuitive usability. This instrument has measurement modes for absorbance, % transmittance and concentration. The 7305 is ideal for applications similar to the 7300 which require measurements in the UV range of the spectrum.

### Technical Specification

#### Wavelength

|                    |               |
|--------------------|---------------|
| Range              | 198 to 1000nm |
| Resolution         | 1nm           |
| Accuracy           | ±2nm          |
| Spectral Bandwidth | 5nm           |

#### Photometrics

|                      |                                  |
|----------------------|----------------------------------|
| Absorbance Range     | -0.300 to 2.500A                 |
| Transmittance Range  | 0 to 199.9%T                     |
| Photometric Accuracy | ±1%T, ±0.01A at 1.000 Absorbance |

#### Concentration

|             |  |
|-------------|--|
| Range       | -300 to 9999   |
| Resolution  | Selectable 1/0.1/0.01/0.001  |
| Units       | no units, %, ppm, EBC, SRM, mEq/l, mEq, M, mM, μM, nM, U, U/l, U/ml, g/l, mg/l, μg/l, ng/l, g/dl, mg/dl, μg/dl, mg/ml, μg/ml, ng/ml, μg/μl, ng/μl, mol/l, mmol/l |
| Factor      | 0.001 to 10000   |
| Standard    | 0.001 to 1000  |
| Calibration | Blank with a single standard or factor   |

#### Other

|                      |                                   |
|----------------------|-----------------------------------|
| Light Source         | Xenon lamp                        |
| Outputs              | Analogue, RS232, Internal printer |
| Size (w x d x h), mm | 275 X 400 X 220                   |
| Weight, kg           | 6                                 |

### Ordering Information

| Part Code | Description   |
|-----------|---|
| 730 501   | 7305 UV/Visible spectrophotometer fitted with a single 10x10mm cuvette holder and supplied with 100 disposable cuvettes, instruction manual, universal power supply, PC software on CD ROM and interface cable. |

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