## P100 Specifications

| | |
|---|---|
| Sample Size | 0.5 - 1.5 µL |
| Optic Path Length | 0.5 mm, 0.25 mm & 0.05 mm * |
| Light Source | Xenon flash lamp |
| Wavelength Range | 200-900 nm |
| Wavelength Accuracy | 1 nm |
| Absorbance Range | 0.04 -300 (10 mm)* |
| Abs. Precision | 0.002 Abs (1mm) |
| Abs. Accuracy | ± 2% at Abs 0.674 (1mm) at 350nm |
| Detector Type | 2048 element linear silicon CCD array |
| Detection Limit | 2 ng/µL (dsDNA) |
| Max Concentration | 15,000 ng//µL (dsDNA) * |
| Measurement Cycle | ~ 4 seconds |
| Dimensions | 145 mm x 210 mm |
| Weight | 2.5 kg |
| Operating Voltage | 12 VDC |
| Power Consumption | 15 W (operating) |
| Surface Construction | 303 stainless steel and quartz fiber |
| Software Compatibility | Windows® XP, Vista, Win7(8, 10) 32 & 64 |

* Option

## Cuvette Mode

| | |
|---|---|
| Beam height: | 8.5 mm |
| Cuvette Pathlength | 10, 5, 2, 1 mm |
| Heating: | 37 ± 0.5°C |
| Stirrer: | 150 - 700 RPM |
| Measurement Range | 0.4 - 750 ng/µL (dsDNA) |
| Measurement Cycle | < 4 seconds |
| Beam height | 8.5 mm |

## Selection Guide

| | 2 – 3000 ng/uL* | 3000 - 15000 ng/uL** | Cuvette |
|---|---|---|---|
| P100B | Yes | | |
| P100C | Yes | | Yes |
| P100M | Yes | Yes | |
| P100CM | Yes | Yes | Yes |

* dsDNA 10 mm pathlength normal measurement mode

** dsDNA 10 mm pathlength high measurement mode

P.O. Box 3141, Ann Arbor, MI 48106 U.S.A.
www.pultton.com E-mail: info@pultton.com Tel: (408) 329-6241