

# Appendix A

## Detector Specifications

[Table A-1](#) lists the Waters 996 PDA Detector specifications.

Table A-1 996 Detector Specifications

Item	Specification
Dimensions	11.5 × 22 inches (29 × 56 cm)
Weight	31 lbs (14.3 kg)
Wavelength range	190 to 800 nm
Wavelength accuracy	±1 nm
Linearity range <sup>1</sup>	5% at 2.0 AU, propylparaben, at 258 nm
Spectral resolution	1.2 nm
Baseline noise	±1.5 × 10 <sup>-5</sup> AU peak-to-peak, dry, at 254 nm
Drift	1 × 10 <sup>-3</sup> AU/hour at 254 nm (after warmup)
Flow cells	Pathlength (mm): Tubing (I.D.)
Standard	10 0.009 in
Semi-preparative	3 0.040 in
Microbore	3 0.005 in
Inert	10 0.010 in

<sup>1</sup> Per ASTM 685-79