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Find the *Keysight / Agilent 79853C* at our website: ***Click HERE***

Specifications

Table 1 **Specifications of 79853C VWD**

Detection Type	Double beam photometer.
Noise	< 1.5 x 10^{-5} AU peak-to-peak at 254 nm, flowing water at 1 ml/min, 1 second response time (10-90%), standard flow cell.
Drift	< 5 x 10^{-4} AU/hour at 254 nm after warm-up.
Wavelength Range	190 - 600 nm, settable in 1 nm increments.
Wavelength Accuracy	±2 nm.
Wavelength Reproducibility	±0.3 nm.
Bandwidth	6.5 nm.
Linear Absorbance Range	Better than 1% up to 1.2 AU using acetone at 265 nm.
Response Time	0.25, 1 or 4 seconds (10-90%); user-selectable.
Spectra	Storage of 1 spectrum during run; scan rate 10 nm/sec; range from 190 to 600 nm, selectable. Post-run plotting speed from 1 to 50 nm/sec selectable; plotting of background-corrected spectrum.
Light Source	Deuterium lamp from 1090/40/50 DAD.
Flow Cells	Standard 14 µl volume, 8 mm pathlength cell with 40 bar (588 psi) pressure maximum. Optional micro, preparative, high-pressure cells are available.
Display	Single line, 16 character fluorescent display with real time display of operating parameters and/or absorbance.
Control	Integrated keyboard with function keys; parameter editing during run possible; keyboard lock; optional control by computer or 3396 Series II integrator.

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Table 1 **Specifications of 79853C VWD**

Parameters	Wavelength, output range, response time, zero, offset, balance, spectrum acquisition.
Diagnostic Aids	Wavelength calibration check with Holmium oxide filter.
Time-programs	Time-programmable wavelength and output range; storage of up to 5 time-programs.
Analog Output	One output user-configurable as recorder or integrator. For recorder: 100 mV or 1 V output range from 0.001 to 4 AU, user-selectable; for integrator: 100 mV/2 AU full scale or 1 V/2 AU full scale, user-selectable.
Communications	START (input/output), STOP (input/output), READY (output), SHUTDOWN (output) for synchronization with other LC modules.
Safety Aids	Extensive diagnostics, error detection and display via front-panel LED's. Leak detection, safe leak handling, leak output signal for shutdown pumping system. Low voltages in major maintenance areas.
Environment	Temperature range: 5 to 55°C
	Humidity: < 95% (non-condensing)
Power Requirements	Line voltage: 100-120 or 220-240 VAC ±10%
	Line frequency: 48-66 Hz
	Power consumption: 150 VA max.
Dimensions	Height: 133 mm (5.2 inch)
	Width: 325 mm (12.8 inch)
	Depth: 545 mm (21.5 inch)
	Weight: 14 kg (31 lb)

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