

Aquanova Environmental Spectrophotometer

- Dedicated to water and environmental testing
- Stores up to 300 test methods
- Pre-loaded with Jenway test kit methods
- Compatible with most commercially available photometric test kits
- Drag and drop test methods from a CD-ROM
- Create new tests using a simple factor or standard curve with up to 6 standards
- PC software included

The Aquanova spectrophotometer and test kits offer the simplest and most convenient laboratory system for measuring a broad range of parameters in water, wastewater, effluent and environmental samples. Although targeted to water and environmental analysis the Aquanova can be used as a standard single beam visible spectrophotometer by selecting the photometrics mode.

Technical Specification

Wavelength

Range	320 to 1000nm
Resolution	1nm
Accuracy	±2nm
Spectral bandwidth	8nm

Photometrics

Transmittance	0 to 199.9%T
Absorbance	-0.300 to 1.999A
Accuracy	±1%T
Resolution	0.1%T, 0.001A
Stray light	<0.5%T
Noise	<1%
Stability	<1%/h

Concentration

Range	-300 to 1999
Resolution	Selectable 1, 0.1, 0.01 or 0.001
Units	blank, ppm, pH, mg/l, g/l, %, mg/kg, IFZ, HZ, mEq, U/ml, mU/l, U/l, µM, mM, M, µg/ml, mg/ml, µg/dl, g/dl, ng/dl, µg/l
Factor	0.001 to 9999.999
Calibration curve	Up to 6 standards

Other

Test memory	300 methods
Results memory	50 results
Clock	Time (24 hour) and date
Timer	1 second to 24 hours, 1second resolution, cal or save on time out
Light source	Tungsten halogen lamp
Outputs	Analogue and RS232
Power	<50W
Size (w x d x h)	65 x 272 x 160mm
Weight	6kg

Ordering Information

Part Code	Description
637 001	Aquanova visible spectrophotometer supplied with mains lead, 9 way serial cable (013 203) and PC application software on CD-ROM (603 436) (230V/50Hz)



Aquanova

Environmental Test Kits

Ordering Information

Part Code	Description	Range	Number of Tests
025 300	Alkalinity m	5 - 200mg/l CaCO ₃	100
025 301	Alkalinity p	5 - 300mg/l CaCO ₃	100
025 302	Aluminium	0.01 - 0.25mg/l	100
025 303	Ammonia	0.02 - 1.0mg/l N	100
025 304	Ammonium LR	0 - 2.5 mg/l N	50
025 305	Ammonium HR	1 - 50 mg/l N	50
025 306	Bromine	0.1 - 6.5 mg/l	100
025 338	Chloride	0.5 - 25 mg/l	100
025 307	Chlorine (Free)	0.05 - 3 mg/l	100
025 308	Chlorine (Total)	0.05 - 3 mg/l	100
025 309	Chlorine Dioxide	0.5 - 2.5 mg/l	100
025 314	Chromium (Hex)	0.02 - 2 mg/l	100
025 313	Chromium (Total)	0.02 - 2 mg/l	100
025 312	COD (HR)	1000 - 15000 mg/l O ₂	25
025 310	COD (LR)	0 - 150 mg/l O ₂	25
025 311	COD (MR)	100 - 1500 mg/l O ₂	25
025 316	Copper (free)	0.5 - 5 mg/l	100
025 315	Copper (Total)	0.5 - 5 mg/l	100
025 317	Fluoride	0.02 - 1.5 mg/l	100
025 318	Hardness Total	2 - 50mg/l CaCO ₃	100
025 320	Hydrogen Peroxide	0.5 - 1.5mg/l	100
025 321	Iodine	0.05 - 3.6 mg/l	100
025 322	Iron (soluble)	0.1 - 3mg/l	100
025 323	Manganese	0.05 - 4mg/l	100
025 324	Molybdate	0.5 - 30mg/l	100
025 325	Nitrate	1 - 30 mg/l	50
025 326	Nitrite	0.01 - 0.5mg/l	100
025 327	Nitrogen Total (LR)	0.5 - 25mg/l	50
025 328	Nitrogen Total (HR)	5 - 150mg/l	50
025 330	Orthophosphate	0.05 - 4mg/l	100
025 329	Oxygen Active	0.1 - 10mg/l	100
025 331	pH	6.5 - 8.4	100
025 332	Potassium	0.5 - 12 mg/l	100
025 333	Silica	0.05 - 3mg/l	100
025 334	Sulphate	2 - 100mg/l	100
025 335	Sulphide	0.05 - 0.5mg/l	100
025 336	Sulphite	0.05 - 4mg/l	100
025 337	Zinc	0.02 - 1mg/l	100

