

Portable Spectrophotometer

Specification	Details
Measurement mode	Transmittance (%), Absorbance (Abs) and Concentration (Conc)
Enclosure rating	IP67 (closed sample cell cover)
Weight	≤1.5 kg
Power requirements (internal)	AA size Alkaline (4x) or
	rechargeable Nickel Metal Hydride (NiMH) batteries (4x) (optional module necessary1)
Power requirements (external)	Power supply: 110–240 VAC; 50/60 Hz (optional module necessary1)
Interface	USB mini (optional module necessary1)
Operating temperature	10 to 40 °C (50 to 104 °F); maximum 80% relative humidity (non-condensing)
Lamp source	Xenon flash
Wavelength range	340–800 nm
Photometric measuring range	±3.0 Abs (wavelength range 340–800 nm)
Wavelength accuracy	±2 nm (wavelength range 340–800 nm)
Spectral bandwidth	5 nm
Photometric accuracy	3 mAbs at 0.0 to 0.5 Abs, 1% at 0.50 to 2.0 Abs
Photometric linearity	< 0.5% to 2 Abs
	≤ 1% at > 2 Abs with neutral glass at 546 nm
Wavelength selection	Automatic, based on the method selection
Repeatability	± 0.1 nm
Wavelength resolution	1 nm
User programs	free programming
Data logger	500 measured values (result, date, time, sample ID, user ID to GLP (Good Laboratory Practice)
Sample cells	3
Protection class	Power supply: Class II, instrument: Class III
Warranty	2 years
programable test (minimum)	silica 3-1000ppb free interference of phosphate
	total Iron 10-500 ppb
	free chlorine 0.01-2.0 ppm
	ortho phosphate 0.1-50 ppm
	total hardness 5-500ppm
	turbidity 0.05-20 NTU
No.of kit	500 kit for each above tests
carying case	rigid case for routine local analysis