



The Franklin UV254 laboratory analyser provides the user with UVA, UVT, SUVA and surrogate measurements of TOC, BOD and COD all without the need for reagents. Get your results in under 5 seconds, whether you are taking a single reading or measuring all parameters simultaneously

Modern Look and Feel

A modern user friendly Windows interface displayed on an 8 inch touch screen, all housed in an analyser with a small footprint.

Each user can have the screens shown in their own language.

Easy reporting and connectivity

Store millions of measurements on the analyser. No more hand written reports – no transcription errors or misplaced readings. Create your report directly in PDF or Excel compatible CSV.

With USB and Wi-Fi connections you can print directly from the analyser and store your data on a USB device or your server.

Routine made simple

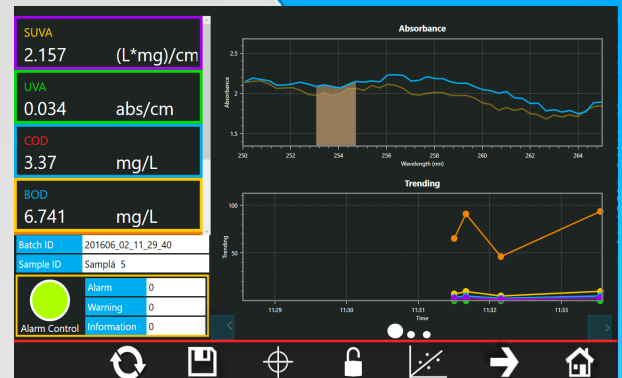
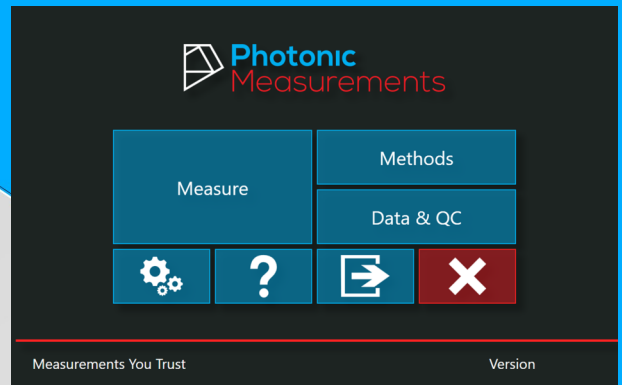
The Franklin has been designed to make complex science simple. Jump straight in to your measurement with no warm up time, and perform your measurement in less than 5 seconds.

GLP – Good Lab Practice

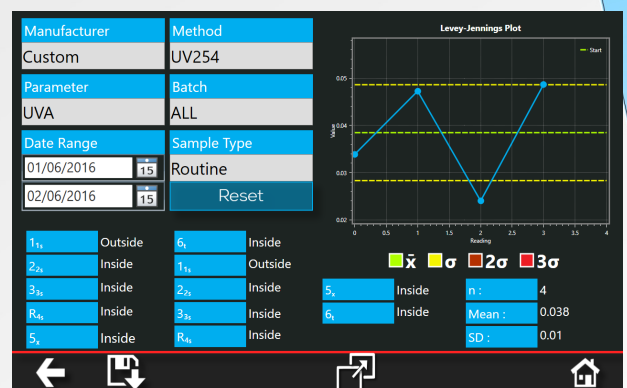
Designed with GLP in mind, the analyser provides user access control; administrator, manager and operator levels; with timed auto logoff. Every action is recorded and timestamped in a robust database.

Levy-Jennings and Westgard rules can be applied to identify anomalies.

Operating Mode	Transmittance (%), absorbance, concentration and trending
Light Source	Solid State
Wavelength Range	250 - 260 nm
Wavelength Accuracy	0.2nm
Wavelength Reproducibility	±0.0nm
Wavelength Resolution	0.4nm
Wavelength Selection	Automatic, based on method selection
Spectral Bandwidth	4nm
Measurement Time	<4s
Photometric Measuring Range	± 3Abs
Photometric Accuracy	5 mAbs at 0.0-05Abs
Stray Light	< 0.10%
Display	8 inch HD (1280 x 800) colour touch screen
Data Logger	> 10 million measurements
Method Storage	> 10,000 (custom and pre-loaded)
Sample Cell Compatibility	Rectangular: 10 - 50mm, 1 inch Round: 13, 16, 20mm, 1 inch
Dimensions (W x H x D)	245mm x 267mm x 422mm
Weight	6kg
Operating Conditions	10 to 40 °C, max 80% relative humidity (non-condensing)
Storage Conditions	-25 to 60 °C, max 80% relative humidity (non-condensing)
Enclosure Rating	IP 20
Interfaces	USB type A (4 off), Wi-Fi, Ethernet voptional
Warranty	2 years



Sample	Parameter	Result	Time	Valid
Sample 1 Routine	BOD	6.774 (L*mg/cm)	11:31:24 02-Jun-16	Valid
Sample 1 Routine	UVA	0.034 abs/cm	11:31:25 02-Jun-16	Valid
Sample 1 Routine	TOC	2.032 mg/L	11:31:25 02-Jun-16	Valid
Sample 1 Routine	COD	3.367 mg/L	11:31:27 02-Jun-16	Valid
Sample 1 Routine	UVI	65.032 %	11:31:28 02-Jun-16	Valid
Sample 1 Routine	SUVA	2.168 (L*mg/cm)	11:31:30 02-Jun-16	Valid
Sample 2 Routine	BOD	9.452 (L*mg/cm)	11:31:35 02-Jun-16	Valid
Sample 2 Routine	UVA	0.047 abs/cm	11:31:35 02-Jun-16	Valid
Sample 2 Routine	TOC	2.236 mg/L	11:31:37 02-Jun-16	Valid



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