



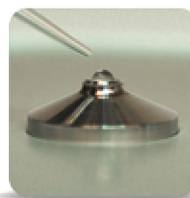
MAIKOARRAY

MK-11 Spectrophotometer

Easy just got *Easier*



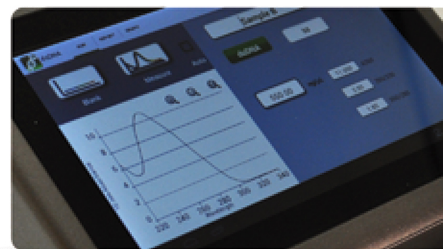
The MK-11 by Maikoarray takes the world of microvolume spectrophotometry to a whole new level. With its compact, stand-alone design it is not tethered to a PC and has no software to load. Just turn it on and it is ready to go. Busy labs will love the 4 second measurement time and time-saving AutoRun function.



Full-Spectrum Analysis

The MK-11 is a UV-Vis spectrophotometer that enables absorbance measurements of 0.5 to 1.0 μl samples. The 190 to 840 nm full spectrum capability makes it an ideal choice for many UV-Vis applications as well as for protein and nucleic acid quantification. Just pipette and measure.

It's that simple!



Broadest Concentration Range

With SmartPath[®] technology, the MK-11 automatically adjusts the microvolume pathlength to accommodate samples with absorbances from 0.04-500 AU (1 cm path equivalent). No other spectrophotometer on the market can measure such high concentrations. This capability yields an effective range of 0.10 mg/ml - 750 mg/ml BSA and 2.0 - 25,000 ng/ μl dsDNA!

EasyApps[®] Software



Protein A280



Labeled Protein



Colorimetrics



dsDNA



RNA



ssDNA



Microarray



UV-Vis



OD-600



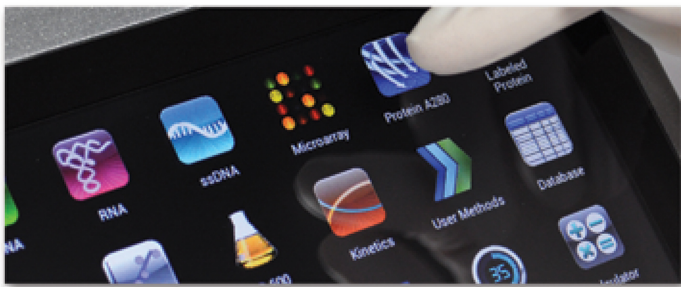
Kinetics

Researchers will love the MK-11's easy-to-use software. Our team of experienced life scientists designed each app for optimal function to streamline your workflow.

Features include:

- Open apps with a simple touch of the finger
- Switch between apps without closing
- Add password protected accounts
- Save new protein & dye types for quick recall
- Add unlimited number of custom methods
- All data auto-saved with easy export

Android™ Control



The MK-11 includes a built-in Android™ operating system with intuitive pinch, swipe, and multi-touch navigation. See results clearly with the full color, high resolution touch screen. The wide viewing angle and lab glove compatible screen provide a true tablet-like experience.

One-Week Free Trial

Try the MK-11 with a no obligation one week trial. DeNovix takes care of shipping to and from your lab. Just sign up and be ready to use it when it arrives. Scan the QR code to request a unit today (US customers only).

Two Model Choices

Select the MK-11 for microvolume samples or the MK-11+ for both microvolume and cuvette based measurements. The MK-11+ includes a cuvette heater, providing flexibility for kinetics at any temperature set-point from 37 to 45° C.

Additional Features

The MK-11 includes built-in Wi-Fi, ethernet and 3 USB ports. Transfer data through your network or directly to a USB drive. For added convenience, print a report to the optional USB printer or scan sample barcodes with the optional barcode reader.

No Recalibration

Our proprietary SmartPath® technology enables remarkably accurate pathlength control and eliminates the need for routine calibration. In addition, our optimized flash lamp performance ensures many years of worry-free operation.

Specifications

All Models - Microvolume Mode

Minimum Sample Size	0.5 µl
Pathlength	0.5 mm (auto ranging to 0.030 mm)
Light Source	Pulsed Xenon flash lamp
Detector Type	2048 element CCD
Wavelength Range	190 - 840 nm
Wavelength Accuracy	1 nm
Absorbance Precision	0.001 AU or 1%, whichever is greater
Absorbance Accuracy	2% at 0.75 AU at 260nm
Absorbance Range	0.04 – 500 (1cm equivalent)
Detection limit	0.10 mg/ml BSA; 2.0 ng/µl dsDNA
Maximum Concentration	750 mg/ml BSA; 25,000 ng/µl dsDNA @ +/- 3%
Measurement Time	Less than 4 seconds
Footprint	20 cm X 33 cm
Weight	2 kg
Lower Sample Pedestal	303 stainless steel, sapphire window
Upper Sample Pedestal	303 stainless steel and quartz fiber
AutoRun Function	Yes with electromagnetic arm position relay
Operating Voltage	12 VDC
Operating Power Consumption	10 W (max 45 W)
Approvals	UL/CSA, CE, and FCC
Manufacture Location	USA

MK-11+ Model-Cuvette Mode

Beam height	8.5 mm
Heating	37 - 45° C +/- 0.5° C
Pathlength	10, 5, 2, 1 mm
Detection Limit	0.10 ng/µl dsDNA
Maximum Concentration	750 ng/µl dsDNA

Onboard Controller (No PC required)

Operating System	Custom Android™ OS
CPU	TI OMAP Dual Core ARM Processor
Display	1280 X 800 high definition color display
Touch Screen	Projective capacitive
Gesture Recognition	Multipoint touch, swipe, pinch
Glove Compatibility	All common lab gloves
Internal Storage	8GB flash memory
Audio	Built-in speaker
Connectivity	Wi-Fi, Ethernet, 3 USB ports
Accessories	USB printer Barcode reader

Android is a trademark of Google, Inc.