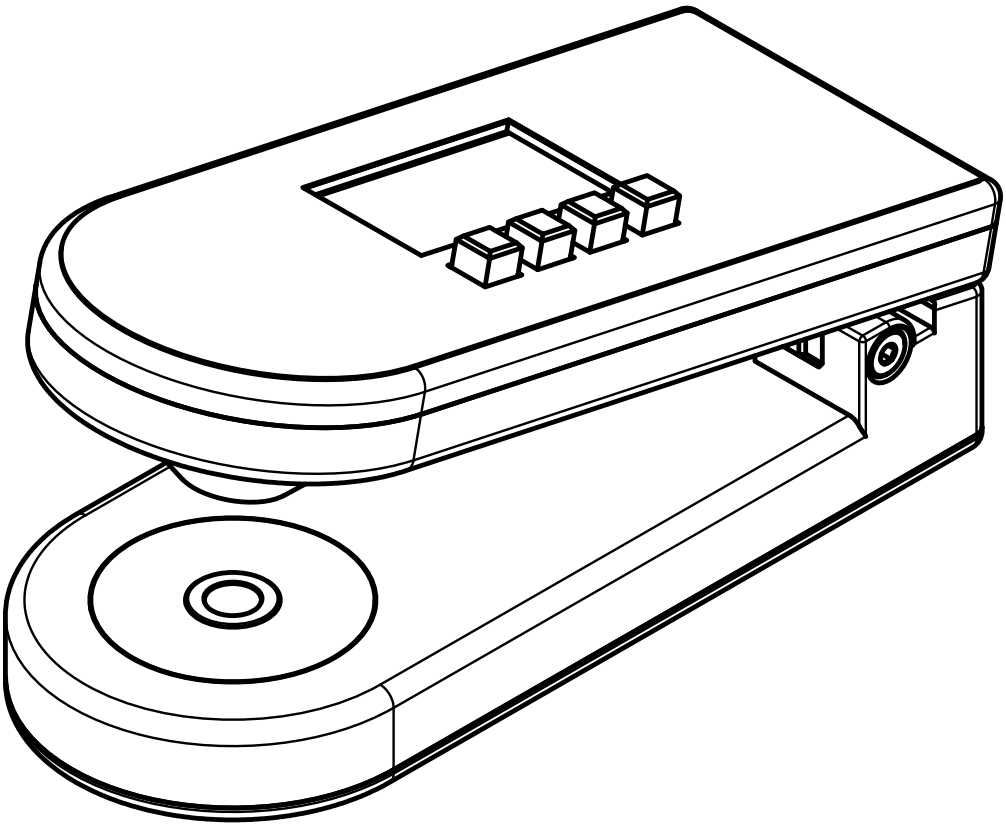
# Printaluar UV/VIS Densitometer



Quick Start Guide

DEKTRONICS

For the complete manual, specifications, desktop software, and firmware updates, please visit the product website:

https://www.dektronics.com/printalyzer-uvvis-dens

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Dektronics, Inc.
171 Main St #571
Los Altos, CA 94022-2912

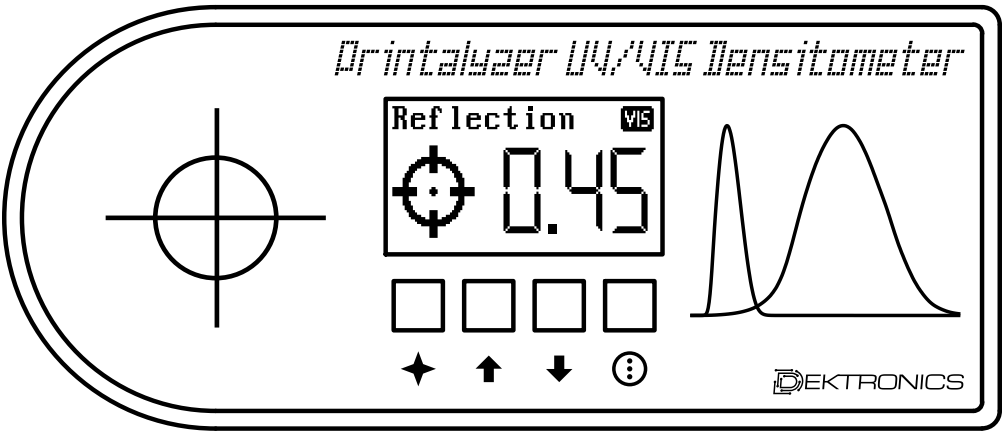
Dear Customer,

Thank you for purchasing the Printalyzer UV/VIS Densitometer. If you want to take a more analytical approach to testing your photographic film or paper, a densitometer is one of the best pieces of equipment you can have.

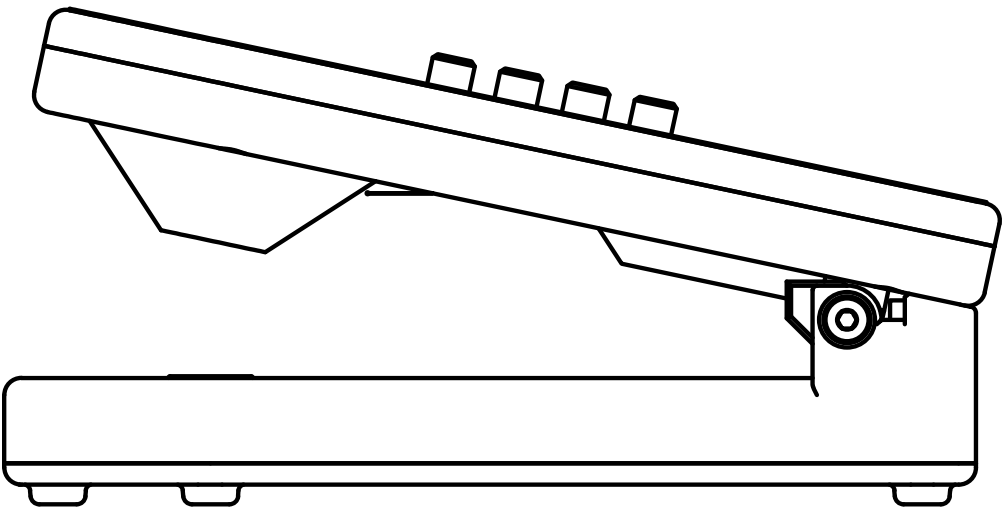
This device is designed to be that nifty little gadget you can always have available, and don't need to dedicate much space for. It can measure across the full range of densities common for the testing of black and white photographic materials, in visual reflection mode, and in both visual and ultraviolet transmission modes.

Thanks,
Dektronics, Inc.

# Device Overview

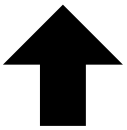
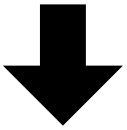



Top of Device



Side of Device

# Button Overview

| | |
|---|---|
| | **Action button**<br>Used to take measurements or select menu items |
|  | **Up button**<br>Long press to clear a zero offset, or press in combination with the down button to activate the menu |
|  | **Down button**<br>Long press to set a zero offset, or press in combination with the up button to activate the menu |
| | **Mode button**<br>Used to switch measurement modes (VIS Reflection, VIS Transmission, UV Transmission) or to go back from a menu item |
| | **Detect switch**<br>Triggered by pressing down on the front of the device, this switch typically activates the measurement target light |

# Powering the Device

The Printalyzer Densitometer is powered by a cable connected to the USB-C® compatible port on the rear of the device.  To power the device, connect a cable between this port and any USB compatible power adapter or host computer.

For your convenience, a USB-C® to USB-A cable is included in the package.

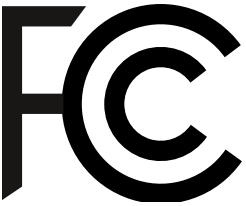
*USB-C® is a registered trademark of USB Implementers Forum.*

# Taking Measurements

To take a density measurement, follow these steps:

1. Use the ⓘ button to select the desired measurement mode.
2. Center the material to be measured over the target area. For transmission mode, the emulsion side must be **facing down**.
3. Lower the sensor head and hold it firmly closed.
4. Press the ✦ button and wait for the result.

*Note: When the sensor head is pressed down partway, the target read light for the current mode will turn on at a moderate brightness. This can be used to help better position the material area to be measured.*



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Complies with CAN ICES-003(B) / NMB-003(B)

Hereby, Dektronics, Inc, declares that the Printalyzer Densitometer DPD-105 has been tested and is fully compliant with the EU EMC Directive 2014/30/EU.

Hereby, Dektronics, Inc, declares that the Printalyzer Densitometer DPD-105 has been tested and is fully compliant with the UK EMC Regulations (2016).

Instructions for disposal:
Please dispose of Waste Electrical and Electronic Equipment (WEEE) at designated collection points for the recycling of such equipment.

*For the complete declaration of conformity, please refer to the product website.*

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At Dektronics, we're strong believers in open-source hardware and software. As such, whenever possible, you'll be able to follow the technical side of our projects here:

https://github.com/dektronics

P/N: DPD-105
Assembled in USA