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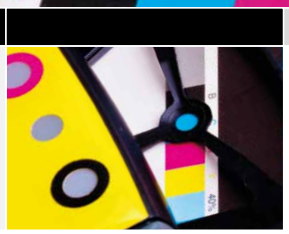
ENGLISH VERSION



DenCITOmeter

Manual

CITO ProcessLine

DenCITOmeter

Usage

Zero on paper in relative density mode

Position the aperture on white paper and move the device over the aperture. The display will show Zero Density. Hold the ➘ key while moving the device over the aperture to force zeroing.

Measure density

Position the aperture on a solid patch and move the device over the aperture. The dominant density will be displayed. Press the ➤ key to display the secondary densities. Hold the ➚ key while moving the device over the aperture to force a density measurement of the actually selected color.

The color of the dominant density is displayed by a flashing LED.

Measure dot gain

Measure the solid density as described above.

Position the aperture on a ¾ tone patch and move the device over the aperture. A shadow dot gain value will be displayed.

Position the aperture on a ½ tone patch and move the device over the aperture. A mid tone dot gain value will be displayed.

Measure absolute dot

Measure the solid density as described above.

Position the aperture on a tint percentage patch and hold the ➚ key while moving the device over the aperture. The absolute dot% is displayed.

Measure density and balance difference

Measure the reference with the ➘ key depressed.
Measure the actual with the ➤ key depressed.
Cycle through the colors with the ➤ key.

DenCITOmeter
Configuration

Adjust mode

Hold the ➤ key for at least 5 seconds to enter or exit the adjust mode. A ~ symbol in the LCD left top corner appears.

Press the ➤ key to move through the setup functions ABS/REL, CAL, Dot Gain on/off, ¾ tone reference, ½ tone reference.

Absolute and relative density

Press the ▼ key to toggle between absolute **ABS** and relative **rEL** density.

The ▲ symbol stays for ABS mode.

Absolute white calibration

Position the aperture on the absolute white reference. Move the device over the aperture. The absolute density is displayed and LED of the actual color channel is flashing.

Press the ▼ key to decrement density, the ▲ key to increment density, the ➤ key to select next color.

Move the device forward until **ABS** appears in the LCD to exit ABS calibration.

Adjust calibration

Press the ➤ key until **CAL** appears in the LCD. Position the aperture on the absolute white reference and move the device over the aperture. The display will show **~0.00**. Press the ➤ key to return to CAL.

Measure solid C, M, Y, K. The measured density is displayed and the LED is flashing.

Press the ▼ key to decrement density, the ▲ key to increment density, the ➤ key to save and exit density adjustment. Calibrate next color as described.

Dot gain ON/OFF setting

Press the ▼ key to toggle between dot gain function on and dot gain function off.

Press the ➤ key to select the reference for mid tone or shadow tone. Adjust the reference value using the ▼ ▲ keys.

DenCITOmeter
Service

Battery low

If **BAT** appears on the LCD, change the batteries. Open the battery cover and replace batteries with 2 AA (LR6) 1.5V standard batteries.

Measurement time was to short

Keep device in front position until the measurement value appears.

Cleaning

The DenCITOmeter casing can be cleaned with a dry cloth.

Important: *This manual describes the current version of the DenCITOmeter hardware and software. Future enhancements or modifications are reserved.*

Safety Instructions

For safety reasons it is absolutely necessary to read through the user's guide and all of the instructions it contains. If the safety recommendations and instructions in this User Guide are not complied with, measurement errors or data loss or physical injury or property damage may result.

- DenCITOmeter is not intrinsically safe. Therefore the device cannot be used in an environment with explosive vapors where there is a risk of spark ignition or in an area with strong electromagnetic fields. It should be protected against chemicals, corrosive vapors, strong mechanical vibrations and impacts.
- Use the DenCITOmeter in ambient temperatures between 15 °C (59 °F) and 40 °C (104 °F), and do not expose to direct sun light.
- The DenCITOmeter should never be opened as there are no user serviceable parts. Doing so voids the guarantee. Contact your authorized dealer if repairs are necessary.
- To avoid incorrect handling, the DenCITOmeter should only be used by trained personnel.
- Use original spare parts and accessories only. Contact your authorized dealer.
- Use the original packaging exclusively when transporting.

MEA00078

CITO-SYSTEM GmbH • Haimendorfer Str. 37+46 • 90571 Schwaig bei Nürnberg/Germany
Phone +49 911 95885-0 • Fax +49 911 95885-50 • info@cito.de • www.cito.de

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