

# F D — 7

# Simple

# explanation

1<sup>st</sup> July, 2010 Edition





External



Operation Key

▲▼ : Cursor keys

← : Back key

↵ : Enter/Option Key

Side button: Scan / Illuminance measurement button

The Option menu still cannot be accessed.



Startup

Turn the power on using the Main Switch.





Startup screen

Displayed for approximately 2 seconds.

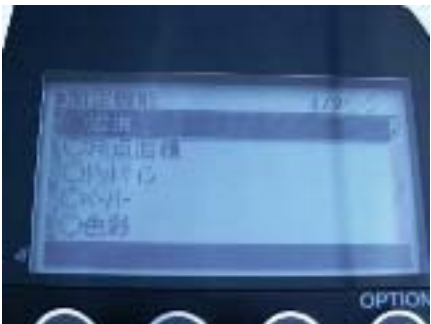




After 2 seconds, the screen will change to the measurement screen.






## Changing the measurement mode

	<p>When the cursor is placed on the Measurement Mode and the enter key is pushed, the Measurement Mode can be changed.</p>
	<p>Density, dot area ratio, dot gain, color and automatic can be selected.</p> <p>(Caution) Illuminance cannot be used.</p>






## Density measurement

 A screenshot of a handheld device's main menu. The screen displays several options in Chinese characters: '密度' (Density), '色温' (Color Temperature), '色阶' (Color Scale), '色卡' (Color Chart), and '色标' (Color Mark). The 'Density' option is highlighted with a white bar. The word 'OPTION' is visible at the bottom right of the screen.	<p>Place the cursor on "Density" at the same time as pushing the enter key.</p>
 A screenshot of the density measurement initial screen. The screen shows a table with columns for 'Dc', 'Dm', and 'Dy'. The 'Dc' column has a value of '0.00'. The 'Dm' column has a value of '0.00'. The 'Dy' column has a value of '0.00'. The screen also displays 'TD01: 891207235958' at the bottom. The word 'OPTION' is visible at the bottom right of the screen.	<p>Density measurement initial screen</p> <p>(Caution) You cannot set the paper white base yet.</p>
 A screenshot of the density measurement result screen. The screen shows a table with columns for 'Dc', 'Dm', and 'Dy'. The 'Dc' column has a value of '1.59'. The 'Dm' column has a value of '0.00'. The 'Dy' column has a value of '0.00'. The screen also displays 'TD01: 891207235958' at the bottom. The word 'OPTION' is visible at the bottom right of the screen.	<p>When measured, the ink is automatically judged and the density is displayed.</p>




tint measurement

	<p>Select "DOT %" and push the Enter key.</p>
	<p>The previously measured value is being retained, however the cursor is placed over "Paper".</p>
	<p>When the paper is measured, the measurement data is displayed and the cursor is moved to the solid color patch.</p>
	<p>When the solid color patch is measured, the solid density is displayed and the cursor is moved to the "Sample".</p>
	<p>When the sample is measured, the solid density and dot area ratio is displayed.</p>
	<p>If you wish to re-measure the paper or solid color patch, place the cursor over the item and then measure.</p>





Dot gain measurement

	<p>Select "Dot Gain", then press the enter key.</p>
	<p>Dot gain initial screen</p> <p>The cursor is placed on "Paper", however the previous Paper Density remains.</p>
	<p>When the paper is measured, the paper density is displayed, and the cursor is moved to the solid color patch.</p>
	<p>When a solid color patch is measured, the ink is automatically determined and the solid density is displayed.</p> <p>(Caution) You still cannot change the standard sample area rate. The factor cannot be changed either.</p>
	<p>When the tint patch is measured, the tint measurement is conducted.</p>
	<p>Continue measurement in order.</p>

# Color measurement




	<p>Select "Color", then press the Enter key.</p>
	<p>Color initial screen</p> <p>(Caution) The target color cannot be selected. The color space also cannot be changed.</p>
	<p>When the sample is measured, the color is displayed.</p>

## Automatic Mode

 The image shows the initial screen of the Automatic Mode. The screen displays the date '01.27.011' at the top right. On the left side, there are three menu items in Chinese: '濃度' (Density), '油墨選擇' (Ink Selection), and '色彩' (Color). The word 'OPTION' is visible at the bottom right of the screen.	<p>Automatic Mode initial screen</p>
 The image shows the screen after a solid color patch has been measured. The menu item '濃度' (Density) is highlighted. The screen displays '00' and a large value '1.59'.	<p>When a solid color patch is measured, the ink is automatically determined and the solid density is displayed.</p>
 The image shows the screen after a solid color patch has been measured. The menu item '濃度' (Density) is highlighted. The screen displays '00', '1.59', and '51.0%'.	<p>When a solid color patch is measured, the ink is automatically determined and the solid density is displayed.</p>
 The image shows the screen after an over-print has been measured. The menu item '色彩' (Color) is highlighted. The screen displays '14', '10.73', '12.40', and '-27.57'.	<p>When the over-print is measured, the color is displayed.</p>

## Caution

1. The power circuit is incomplete and measurement cannot be conducted using the battery. Connect the USB and measure again.
2. The automatically determined threshold is not final. There is a possibility there is an error in the judgment.

	<p>To fix a frozen device, remove the USB cable and remove the 2 screws circled in red before removing the battery cover.</p>
	
	<p>Remove the connector to the lithium-ion battery and reconnect.</p>