

Addendum to MiniScan EZ User's Manual

Description



Backing Contrast quantifies lightness of baked crust, crumb and similar applications but designed to give a smaller number from 0.00 (darkest) - 5.25 (lightest) than the expected range of Y Brightness during the baking process. A difference of 0.1 BCU units is estimated to be a visual difference in the product.

CMR-3115 provides modified firmware for the MiniScan EZ in which Baking Contrast Units

D65/10° has been added.. This index is calculated as follows:

$$\text{BCU} = \log_2(\text{YD65}/2.5) \text{ where YD65} = \text{CIE Tristimulus Y for D65/10}^\circ.$$

Installation

The special firmware for the MiniScan EZ will be installed at the factory.

Operation

From the Main Menu, select a Product Setup and enable a View.

Within that View navigate to the Color Index and select “BCU” using the right or left arrows. When BC is chosen as an index, it will display in the measurement screen and calculated using the formula above.

```
HunterLab MiniScan EZ
Data View
VIEW 1          ENABLED
DISPLAY        ABSOLUTE
ILL/OBS        D65/10°
COLOR SCALE    L*a*b*
COLOR INDEX    BCU
CMC/SHADE SORT ▶
```



0028 372 42:12
SETUP 2 D65/10°

L*	69.31
a*	9.66
b*	32.76
BCU	3.99

READ
← MAIN MENU →

Operate the MiniScan EZ as described in the User's Guide.

Note: The D65/10° Baking Contrast Index will be displayed even if the illuminant/observer chosen for the Product Setup is not D65/10°.