

Introducing...

Large Area View Color Measurement System



D25L Colorimeter

- ◆ Ideal for measuring the color of coarse and non-homogenous samples
- ◆ Large touch screen display
- ◆ Convenient sample positioning devices
- ◆ Self-contained system
- ◆ Available with sample port facing down or up
- ◆ Built-in printer for hard copy
- ◆ Data output to network and PC
- ◆ Designed for industrial environments

New D25LT Large Area View Colorimeter

The D25LT Colorimeter's large viewing area is optimized for measuring the color of coarse, non-homogeneous and irregularly shaped products. It can be used in the food industry to measure samples such as cookies, crackers, chips, beans, spices, pasta and soups or in other industries to measure products such as ceiling tile, carpet, ceramic tile, chemicals and minerals.

The D25LT is a self-contained instrument which saves precious bench space. The one piece instrument includes a large, color, LCD touch screen for clear viewing of color measurement

data as well as entry of parameter selections. An alphanumeric keypad displayed on the touch screen simplifies sample ID and data entry. The system is network and PC compatible and its built-in printer provides a hard copy of results.

The sample measurement port of the optical sensor can be oriented so that it is facing up, to measure samples such as soup through the clear bottom of the sample cup. Or the port can be oriented facing down, so that samples such as chips can be measured through the open top of the cup.

Standard Features

Sensor geometry:

- 45° circumferential illumination and 0° viewing

Measuring area:

- 3.75 inch (9.5 cm)

Observer Function:

- 2° standard observer

Illuminant:

- Illuminant C

Light Source:

- Continuous tungsten halogen lamp

Display:

- 10.4 inch (26.4cm) color LCD with touch screen

Data and function input:

- LCD touch screen

Hard copy data:

- Built-in thermal printer

Data Connection:

- USB and Ethernet

Data Storage:

- As standard- thousands
- As sample- thousands

Statistics:

- Average, standard deviation, maximum, minimum, range

Color Scales:

- CIE L*a*b*, Hunter Lab, CIE LCh, R_dab, CIE Yxy, CIE XYZ

Color difference scales:

- $\Delta L^*a^*b^*$, ΔLab , ΔLCh , ΔR_dab , ΔYxy , ΔXYZ

Color difference indices:

- ΔE^* , ΔE , ΔC , ΔE_{CMC} , ΔC^*

Indices and Metrics:

- E313-96 Whiteness, E313-96 Yellowness, D1925 Yellowness, Z%

Tolerances:

- User entered tolerances for color scales and indices
- CMC automatic tolerancing
- Pass/Fail displayed based on tolerances