

# MONTROSE TECHNOLOGIES INC.

## PAN BREAD MEASUREMENT

### Top Measurements



**Peak Height:** Height of the highest point on the pan bread surface.

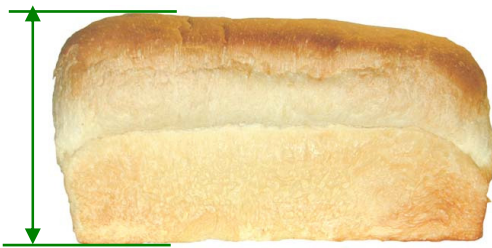
**Width:** The width of the smallest rectangle that completely encloses the pan bread. The width measurement is not affected by the orientation of the product on the conveyor belt.

**Length:** The length of the smallest rectangle that completely encloses the pan bread. The length measurement is not affected by the orientation of the product on the conveyor belt.

**Surface Area:** Total surface area of the pan bread based on product perimeter is calculated based on surface and height measurement.

**Volume:** Volume of the pan bread. If weights are obtained from an external scale, pan bread density can be calculated from volume and weight.

**Slope:** Assuming the pan bread is sitting on a flat surface, center to edge/end and end-to-end slopes of the pan bread are measured.



**Guard Band:** An area around the perimeter of the pan bread, defined by the guard band perimeter is not used in the calculation of bake color. The width of the guard band is configurable for both top and bottom measurement.

### Color Measurements

**Average Color:** The bake average color of the entire top of the pan bread. A higher number means a lighter color.

**Dark/Light Area%:** The percentage of the top covered by areas darker/lighter (topping) than a customer specified threshold. (e.g. burnt area)

**Net Crown Color:** The average bake color of the crown surface not covered by seeds, flour or other light areas.



### External Devices

**Average Weight:** Average weight of a sample of customer specified number of pan bread, read from an optional scale.

**Moisture:** Product moisture, as read from a customers supplied moisture measurement device.