

Agr®

# Profiler Gauge PG9800T



**Accurate, effective, non-destructive  
alternative to section weight measurements**

- Eliminate section weight
- Identify shifts in distribution instantly
- View graphic display of wall thickness

## MEASUREMENT MODES

### Vertical Thickness Profile Measurement

In this mode, the PG9800T scans the full length of a container's sidewall to gather thickness data. Up to eight operator-defined vertical sectors can be programmed into a test profile for comprehensive bottle measurement. Wall thickness measurement results can be displayed in graphical or numerical format, as section averages.

### Horizontal Thickness Profile Measurement

This function permits thickness measurements to be taken at a specific horizontal position on a container body. Up to eight operator-defined horizontal sectors can be programmed into a test profile.

## INTEGRATED SECTION AVERAGES PERFORMED AUTOMATICALLY

Using the comprehensive thickness data, the PG9800T can automatically calculate the integrated section averages for either three or five section applications. With this information, the PG9800T can provide thickness data that is significantly more accurate and cost effective than traditional cutting and weighing of bottle sections. In many applications, the PG9800T can replace destructive, labor-intensive methods.

## GRAPHICAL DISPLAY OF TEST DATA

At the conclusion of a test, the PG9800T automatically plots a thickness profile and graphically displays it on its built-in display. For each sample, test results can be viewed as an average thickness profile, or when multiple sectors are measured, graphs for each sector can be viewed at the same time. This provides a quick and easy way to identify distribution shift and process changes.

## BENEFITS:

- Provides accurate and repeatable data on thickness distribution
- Improves profitability via higher productivity and reduced waste
- Removes the human element and tedium from section weight measurement
- Replaces destructive test methods
- Provides vital data for control of blow molding process
- Offers rapid throughput, at and near the line
- Fast payback

## PG9800T Performs:

- Vertical Sidewall Thickness
- Integrated Section Averages
- Overall Height
- Horizontal Sidewall Thickness

Section Averages			
#	S1/m	S2/m	S3/m
Summary			
0 deg	0.0250	0.0122	0.0141
90 deg	0.0257	0.0127	0.0148
180 deg	0.0248	0.0125	0.0145
270 deg	0.0258	0.0126	0.0139
Sample 1			
0 deg	0.0250	0.0122	0.0141
90 deg	0.0257	0.0127	0.0148
180 deg	0.0247	0.0125	0.0146
270 deg	0.0261	0.0126	0.0140
Sample 2			
0 deg	0.0249	0.0122	0.0141
90 deg	0.0256	0.0127	0.0148
180 deg	0.0249	0.0124	0.0145
270 deg	0.0256	0.0126	0.0139

Parameters Calibration System Service

Name: 2lit\_broch Horizontal

Angles: 0 45 90 180

Number of measurement points: 158 Measure Height

Number of sections: 3 Averages

Section Setup: Automatic

Start Height: 11.575 in

End Height: 0.945 in

Return Height: 12.500 in

Reference Profile

Tolerance Low: 0.002

Tolerance Hi: 0.004 in

Buttons: Measure, Edit, Delete, Save

Teach: Up, Down, Close