



# TMS 4010 Torque Measuring System

Automatic closure torque measurement at the filling line



In the food & beverage industry, the opening torque of bottles and other containers with twist-off closures is an important quality parameter and vital for customer satisfaction.

For many routine tests, where precise reproducibility, user independency and special test procedures are necessary, an automatic operated torque measuring device is an optimal solution.

## BENEFITS:

- User-independent, precise torque measuring
- Suitable for lab and filling line
- Integrated standard beverage procedures
- Interaktively programmable measuring sequences
- Easy procedure change via barcode scanner
- Easy handling
- Standardised variable Top Load
- Complementary calibration device
- Measuring data evaluation via standard PC software (MS EXCEL™)

## OPERATION:

The bottle (container) is fitted to the clamp mechanism and automatically opened. Meanwhile, the reactive torque is monitored and it's peak value and torque curve displayed and stored afterwards. Measuring the closing torque is also possible.

## TECHNICAL DATA:

Torque range: 0 - 50 in-lbs, both directions  
 Accuracy:  $\pm 0.25\%$  F.S.  
 Resolution: 0.03 in-lbs (50 in-lbs version)  
 Memory: According to configuration  
 Interface: Ethernet (RS232 optional)  
 Supply voltage: 240 V / 115V, 50 / 60 Hz  
 Protection: IP 65  
 Dimensions: 600x400x900mm (24x16x36")  
 Weight: approx. 25 kg / 55 lbs

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