



# TMS 4000 Torque Measuring System

... for automatic closure torque measuring



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, a automatic operated torque measuring device is a optimal solution.

## BENEFITS:

- User-independent, precise torque measuring
- Suitable for lab and filling line
- Integrated standard beverage procedures
- Interaktively programmable measuring sequences
- Easy handling
- Standardised variable Top Load
- Integrated calibration device
- Graphic display and torque curve
- 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, 50 Hz (115V optional)  
Protection: IP 65  
Dimensions: ca. 600mm x 400mm x 900mm  
Weight: ca. 25 kg

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