

TMS5010 Torque measuring system

Automatic closure torque measurement at the filling line



Product details

- » Industry: Beverages, Food Industry, Pharmacy, Packaging Industry
- » Employment: Measuring & Calibration
- » Objects: Bottle closures
- » Specifics: Flexibly programmable
- » Automation Level: Fully Automatic Machine
- » Measuring Methods: Physical Performance Test
Method - Removal Torque, Physical Performance
Test Method - Strip Torque

In the food & beverage industry, the opening torque of bottles and other containers with twistoff 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.

Operation

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

Benefits

- » User independent, precise torque measuring
- » Suitable for lab and filling line
- » Integrated standard beverage procedures
- » Interactively programmable measuring sequences
- » Easy handling
- » Standardised variable Top Load
- » Integrated calibration device
- » Graphic display of torque curve
- » Measuring data evaluation by standard PC software (MS-Excel™)
- » Automatic application angle measurement

Technical Data:

- » Measuring range: 0 - 50 in-lbs, both directions (others on request)
- » Accuracy: 0.25 % FS
- » Resolution: 0.03 in-lbs (50 in-lbs version)
- » Memory: according to configuration
- » Interface: LAN / RS 232
- » Supply voltage: 240V/115V AC, 50 Hz
- » Power consumption: 60 VA
- » Humidity protection: P 65
- » Dimensions (LxWxH): 600 mm x 400 mm x 900 mm
- » Weight: ca. 25 kg
- » Operation humidity: up to 90% (non-cond.)
- » Operation temperature: 0..40 °C (32..104 °F)