

TMS 5000

Torque measuring system

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 repetition, user independency and special test procedures are necessary, is an automatic operated torque measuring device an optimal solution.

Operation

The bottle (container) is fitted to the clamp mechanism and is opened automatically. Meanwhile, the reactive torque is monitored and afterwards the peak value and torque curve will be displayed and stored. There is also the possibility of measuring the closing torque.

Technical data

Torque range

0 - 50 in-lbs, both directions (others on request)

Accuracy

± 0.25 % F.S.

Resolution

0.03 in-lbs (50 in-lbs version)

Memory

Depends of the configuration

Interface

RS 232 (RS 485 optional)

Supply voltage

240 V, 50 Hz (115 V optional)

Protection

IP65



Physical specifications

Dimensions

ca. 600 mm x 400 mm x 900 mm (L x B x H)

Weight

Ca. 25 kg

Advantages

- User-independent, precise torque measuring
- Suitable for lab and filling line
- Integrated beverage standard procedures
- Interactive programmable measuring sequences
- Easy handling
- Variable Top Load
- Integrated calibration device
- Graphic display and torque curve
- Evaluation of the data through standard PC software (MS EXCEL™)

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