



EAL-5~500

BOTTLE LID TORQUE METER

MECHANICAL TOOLS & EQUIPMENTS

EAL-P series Automatic Bottle Cap Torque Tester

The automatic bottle cap torque tester is a new patented product that can automatically test the torque value, which adopts the principle of combining advanced electronic technology with precise mechanical transmission to replace the error caused by manually opening or locking the bottle cap test torque value and meets the technical requirements of the national standard GB/T17876. Equipped with high-precision torque sensor to achieve accurate loading and positioning. It is suitable for testing the torque value of cap locking and opening of various kinds of bottles, suction nozzles, hoses and other packaging products, such as medicinal glass bottles, medicinal plastic bottles, child safety caps, beverage bottles, mineral water bottles, milk bottles, oil buckets and so on. It is the first choice for beverage and bottle manufacturers as well as research institutions, quality inspection institutions and large and medium-sized enterprises to test product quality.

Features

- Measure the torque value (elastic force value), angle value, clockwise and counterclockwise two-way measurement of the bottle cap.
- Three torque units: N.m, Kgf.cm, Lbf.in
- Precision : Angular Precision: 1°/100° (unit : deg) and Torque accuracy: ±1%
- Equipped with RS232 interface, can connect the computer to use the host computer control and real-time curve.
- Four measurement modes: Manual mode, automatic peak mode, repetition mode, torque angle modulus.
- Operational speed 3-90deg/s
- Overload protection, the protection force is 120% of the full range.

Test stand

It is easy to change the measuringaccessories





LCD Digital Display Intutive reading

MODEL		EAL-1P	EAL-2P	EAL-3P	EAL-5P	EAL-10P
Torque Range (N.m)		1	2	3	5	10
Measuring range	N⋅m	1.000/0.001	2.000/0.01	3.000/0.001	5.000/0.001	10.00/0.01
and	kgf.cm	10.20/0.01	20.40/0.01	30.60/0.01	51.00/0.01	102.0/0.1
division value	lb.in	8.85/0.01	17.70/0.01	26.55/0.01	44.25/0.01	88.50/0.1
Measurement Accuracy		±1%				
Angular Precision		1° / 100°				
Clampling Range		The below of fixed fixture Φ 25mm ~ Φ 190mm. (can be customized)				
		The upper of fixed fixture Φ15mm ~ Φ95mm. (can be customized)				
Automatic Tightening Speed		3 ~ 90deg/s (adjustble)				
Power Supply		AC: 220V, 50Hz				
Operation Temperature		0°C ~ 35°C				
Storage Temperature		-20°C ~ 70°C				
Humidity		No condensation up to 80%				
Boundary Dimension		440x255x1050mm.				
Weight		32kg				

Ordering Information

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Standard Accessories:

- User ManualAC Power cord
- Inspection certificate
- CD software
- Printing paper