

CRC Tester

The Mecmesin CRC Tester enables simultaneous measurement of the compressive force and torque applied to open a child-resistant closure

C-R Closures are commonly applied throughout many different industries to avoid children coming into contact with harmful substances. In designing a C-R closure, however, a fine balance must be struck between security and accessibility. The Mecmesin CRC Tester enables packaging manufacturers to design their products in order to guarantee consistent quality in production, by offering a simple, cost-effective and yet highly accurate solution

Versatile mounting table, adjustable to accommodate a variety of forms. Integrated drip tray captures any sample spillage. Custom-engineered fixturing options available upon request

Intuitive user interface, with clear membrane keypad controls

110V Adaptor; power directly from AC or by rechargeable battery

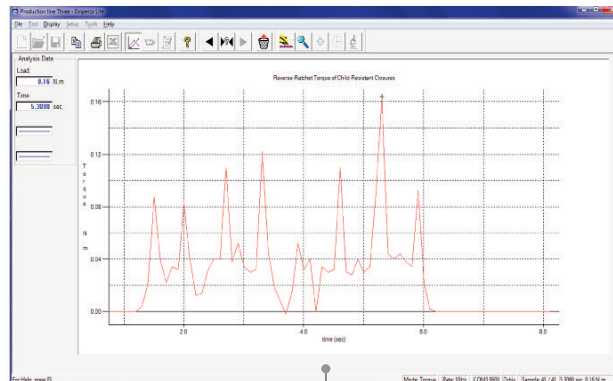
Clear, dedicated displays for both torque & compressive force

Solid build quality; rugged and durable chassis



Key Features

- Simultaneous display of compressive force & release torque
- Accurate digital force gauge & torque transducer
- 110 lbf (500 N) load capacity
- 90 lbf.in (10 N.m) torque capacity
- Data output for easy recording of results
- AC &/or battery powered
- Test to international standards, including:
 - ASTM D3472-97
 - ASTM D3968-97
 - ASTM D3475-97
 - ISO 8317
 - ASTM D3810-97



Plot force or torque data graphically, using Mecmesin's optional Emperor™ Lite software; useful for determining the reverse-ratchet torque of type 1A child-resistant closures (ASTM D3472-97).

Specifications

	Force	Torque
Measurement range	110 lbf 500 N	0 - 90 lbf.in 0 - 10 N.m
Display resolution	50 kgf 0.02 lbf 0.1 N 0.01 kgf	0 - 100 kgf.cm 0.02 lbf.in 0.002 N.m 0.02 kgf.cm
Load units	N, kgf, gf, ozf, lbf	mN.m, N.cm, N.m, kgf.cm, gf.cm, kgf.m, ozf.in, lbf.ft, lbf.in
Container diameter	0.4" - 7.5" (10 - 190 mm)	
Sampling rate	5000 Hz averaged to 80 Hz or 2000 Hz peak capture (user selectable)	
System accuracy	±1% of full scale	
Overload	120% of full scale	
Weight	11 lb (5 kg)	
Dimensions	23" (w) x 8" (d) x 7" (h) [580 mm (w) x 210 mm (d) x 180 mm (h)]	
Part No.	432-421	

↻ Clockwise & counter-clockwise

Mecmesin reserves the right to alter equipment specifications without prior notice

North America

Mecmesin Corporation

45921 Maries Road, Suite 120,
Sterling, Virginia 20166, U.S.A

e: info@mecmesincorp.com

t: 703 433 9247 f: 703 444 9860

www.mecmesincorp.com

datasheet ref: 431-413-01-L01