

Orbis

The Mecmesin Orbis is an affordable solution for low-level torque measurement

For use on any small rotary component, this rugged, portable tester is suitable for both laboratories and production environments. The versatile mounting table has an integrated digital torque sensor, and grips the base of your sample, for application of torque by hand. The digital tester allows accurate peak torque capture, providing a high level of accuracy.



Versatile mounting table, adjustable to accommodate a variety of forms. Integrated drip tray to capture spillages

Clear digital display of clockwise & counter-clockwise maximum torque results, or 'live' torque display

AC input with water resistant cover. Power Orbis directly from outlet or internal rechargeable battery

Easy export of results to a PC, printer or datalogging device via integrated RS232 output socket

Rugged, water-resistant case (rated to IP 54); ideal for use on the factory floor. Non-painted polypropylene case suitable for use within pharmaceutical laboratories

Highly portable; moulded carry handle and compact, lightweight design

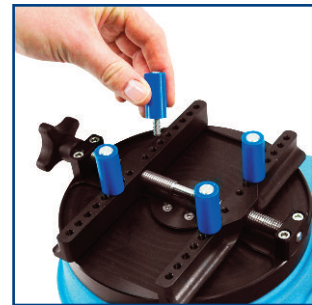
Clear, intuitive controls; 5 dedicated function keys for easy operation. Lockable units and 'max display' modes

simple
affordable
accurate

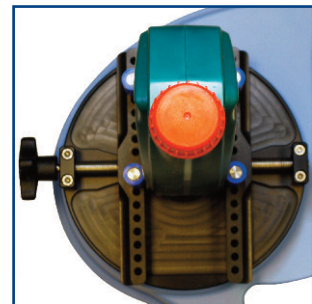
Key Features

- Clockwise & counter-clockwise digital torque capture
- Compact, portable & affordable
- Clear, intuitive controls
- 6 N.m (50 lbf.in) capacity
- AC adaptor or battery powered
- Data output

A clear, backlit LCD screen displays maximum torques applied in both clockwise and counter-clockwise directions, up to 6 N.m. Alternatively, a live torque display may be easily generated using the system's clear, intuitive controls. Once captured, results may be effortlessly exported to a PC, printer or data-logging device, via a single button press, using the tester's integrated RS232 output.



Gripping pegs are easily adjusted to match sample dimensions



Odd shaped containers are easily accommodated - simply reposition pegs to align the closure over the center of the mounting table

Specifications

Measurement range	0 - 6 N.m
⌚	0 - 60 kgf.cm
	0 - 50 lbf.in
	0.002 N.m
Display resolution	0.002 N.m
	0.02 kgf.cm
	0.01 lbf.in
Container diameter	0.4" - 7.5" (10 - 190 mm)
Load units	mN.m, N.cm, N.m, gf.cm, kgf.cm, kgf.m, ozf.in, lbf.in, lbf.ft
Sampling rate	5000 Hz averaged to 80 Hz peak capture
Load accuracy	±0.5% of full scale
Overload	typically 150% of full scale
Weight	6.6 lb (3 kg)
Dimensions	11.9" (w) x 10.9" (d) x 5.0" (h) [303 mm (w) x 278 mm (d) x 127 mm (h)]
Part No.	876-107

⌚ Clockwise & counter-clockwise

Mecmesin reserves the right to alter equipment specifications without prior notice

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