

ADEM® is a fully automated demulsibility/water testing instrument that complies with methods ASTM D1401 and ISO 6614. The unique design is controlled by PC and offers state of the art image processing and evaluating algorithm, tests up to 6 samples at once, with temperatures up to 90 °C, and fully user-adjustable parameters.

Common Applications

- Lubricants & turbine oils
- Compressor oils & engine oils
- Synthetic fluids used in hydraulic & mechanic systems
- Marine fuels/lubricants

ADEM® Automated Demulsibility Tester

For Demulsibility/Water Separability Testing
ASTM D1401 and ISO 6614

Product Features & Benefits

D1401 & ISO 6614 Method Compliance

- Adjustment, save and storage options of different method parameters

Automated Operation and Evaluation of Results

- Temperature range: ambient to 90 °C (freely adjustable by user)
- Bath temperature stability is $< \pm 1.0$ °C
- Storage capacity of over 10,000 results
- User adjustable parameters based on:
 - custom stirring, tempering & measurement time
 - custom measurement temperature
 - custom stirring speed or non-stirring speed
- Real time view of sample compartment displayed during measurements
- Long-life unique LED light source
- Uniform sample illumination
- Multiple safety features:
 - positioning sensors for stirrer movement
 - protection against overheating
 - bath level dilution
- Stable test tube positioning
- Low maintenance requirements
- Bubble elimination function

State of the Art Image Processing & Evaluating Algorithm

- 6 sample position test tubes
- Bath discharge valve
- Stirrer speed: 500 - 1600 RPM (freely adjustable by user)
- Stability of stirring speed: $< \pm 15$ RPM @ 1500 RPM
- Great image processing - 5 Megapixel CCD camera
- USB or RS232 connection to control PC
- Print measurement results in graph or tab format
- Bath volume of 18 L

Windows-based Control Software

- Records measurement parameters, measuring data and evaluation result



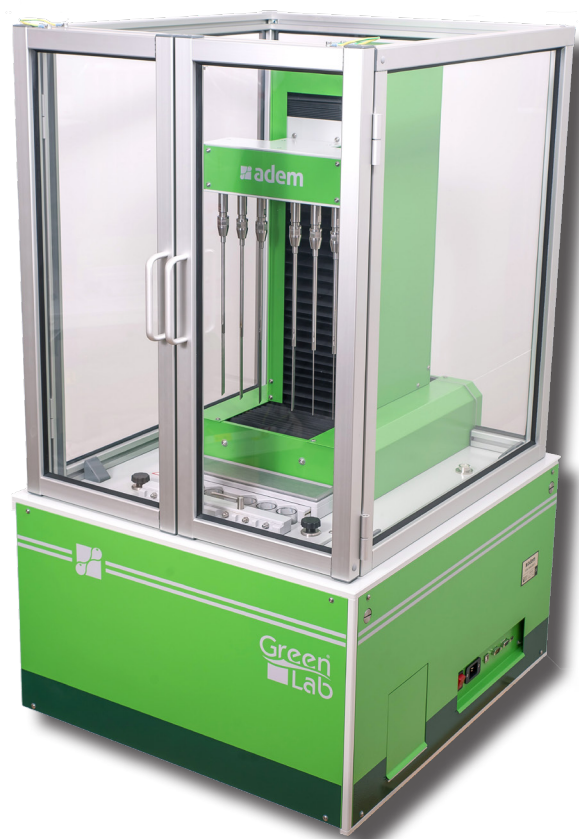
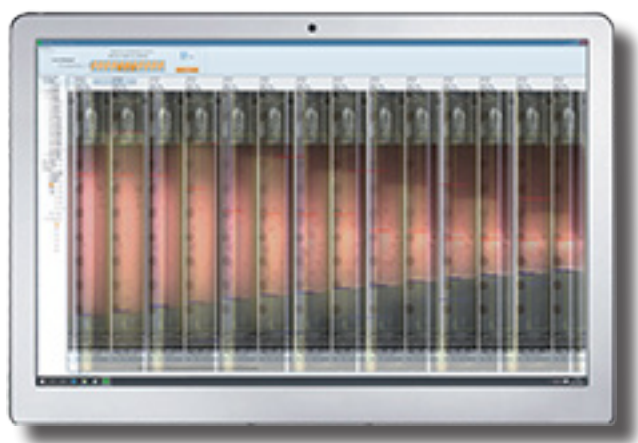
ADEM® Automated Demulsibility Tester

Ordering Information

ADEM® Automated Demulsibility Tester comes with six sample test tube holders, data storage/management software, a one year warranty and professional installation/training (within the domestic U.S.). Specify desired factory installed options and viscometer tubes when ordering. Computer sold separately.

Product Specifications

Dimensions (W x D x H)	70.0 cm x 64.0 cm x 108.0 cm (14.3 in x 26.0 in x 28.5 in)
Weight	120.0 kg (140.0 lb)
Bath Volume	18 L
Automated sample capacity	6 sample test tubes holders
Stirrer Speed	500 to 1600 RPM (freely adjustable by user)
Stability of Stirring Speed	$\leq \pm 15$ RPM @ 1500 RPM
Temperature range & accuracy	Ambient to 90 °C ± 0.01 °C
Bath Temperature Stability	$< \pm 0.01$ °C
Power Supply	110 - 230 VAC (VA)
Measurement Results	Printed in graphs or tabular format on external printer
Control Software	Windows-based software compatible with Windows 7 and Windows 8
Data output	USB or RS232 output



CANNON Instrument Company® provides a variety of physical property testing equipment and consumables (vials, bath fluids, and reference materials) for your testing needs. To learn more, contact sales@cannoninstrument.com.



2139 High Tech Road | State College | PA | 16803
800-676-6232 | 814-353-8000 | Fax 814-353-8007

sales@cannoninstrument.com | cannoninstrument.com