

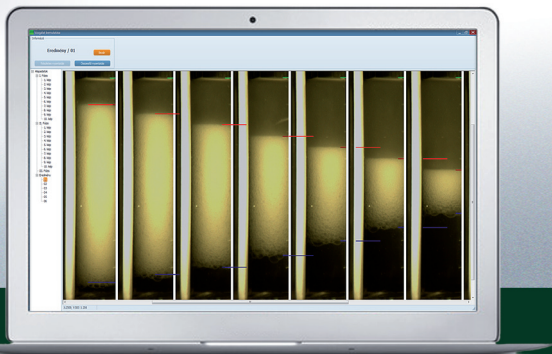
ISO 6614  
METHOD COMPLIANCE  
ASTM D1401

 **adem**

# AUTOMATED DEMULSIBILITY TESTER

BY

 **Green  
Lab**



## REPRESENTS...

... THE NEXT GENERATION IN ISO 6614 AND ASTM D1401  
METHOD COMPLIANCE FOR DEMULSIBILITY/WATER SEPARABILITY TESTING

## FEATURES...

... A UNIQUE DESIGN WITH PC CONTROL ENABLING FULLY  
AUTOMATED OPERATION AND EVALUATION OF MEASUREMENT RESULTS

## INCORPORATES...

... A STATE OF THE ART IMAGE PROCESSING AND EVALUATING ALGORITHM

## FEATURES

- Adjustment, save and storage options of different method parameters
- User memory and actual user identification
- Sample ID
- Storage capacity: over 10,000 measurement results
- User adjustable parameter options to perform custom methods based on the following:
  - custom stirring, tempering and measurement time
  - custom measurement temperature
  - custom stirring speed or non-stirring method
- Real time view of the sample compartment displayed during measurements
- Long-life unique LED lightsource
- Uniform sample illumination
- Bubble elimination function
- Multiple safety features:
  - positioning sensors for stirrer movement
  - protection against overheating
  - bath level detection
- Stable test tube positioning
- Long-life components
- Low maintenance requirements

## TECHNICAL DATA

- ISO 6614 and ASTM D1401 standard method compliance
- Temperature range: room temperature to 90°C (freely adjustable by user)
- Bath temperature stability:  $\leq \pm 1.0$  °C
- Sample positions: 6 test tubes
- Bath discharge valve
- Stirrer speed: 500 – 1600 RPM (freely adjustable by user)
- Stability of stirring speed:  $\leq \pm 15$  RPM @1500 RPM
- Image processing: 5 Megapixel CCD camera
- I/O: USB (2x) and RS232C (1x) to connect to control PC
- Control software: Windows-based software (compatible with Win7 32/64bit, Win 8), which records measurement parameters, measuring data and evaluation result. Also contains user interface, database, imaging-, automatic evaluation- and system protection modules.
- Measurement results can be printed in graphical or tabular forms on external printer
- Bath volume: 18 L
- Power supply: 110 – 230 VAC, (VA)
- Size (DxWxH) / Weight: 70x64x108 cm / ~120 kg

BY

Green  
Lab