

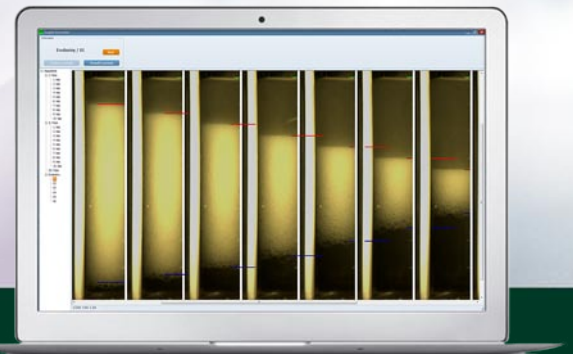
ISO 6614
METHOD COMPLIANCE
ASTM D1401

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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, max. 3.2 kW
- Size (DxWxH) / Weight (with empty bath): 70x64x108 cm / ~120 kg



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