

DEM TECH

HALF AUTOMATED DEMULSIBILITY TESTER



STANDARDS

ASTM D1401, ISO 6614, IP412 and related methods.

SCOPE

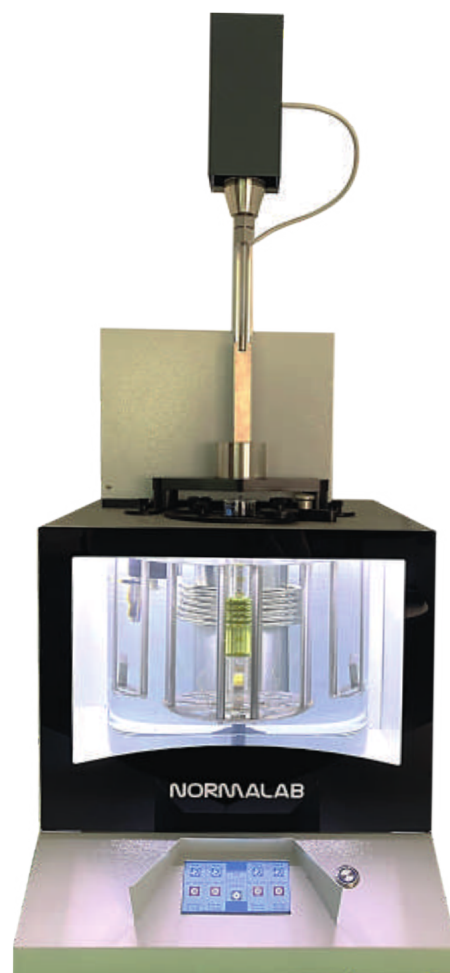
This test method covers measurement of the ability of petroleum oils or synthetic fluids to separate from water. Although developed specifically for steam-turbine oils having viscosities of 28.8mm²/s to 90 mm²/s at 40°C, this test method may be used to test oils of other types having various viscosities and synthetic fluids at other test temperatures.



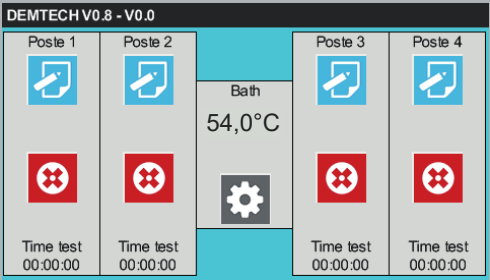
« DEM TECH, HALF AUTOMATED DEMULSIBILITY TESTER »

TECHNICAL FEATURES

- Half automated
- Temperature range from 30°C to 99°C ($\pm 0,1^{\circ}\text{C}$)
- Two preset programs (54°C or 82°C), **high stability temperature**
- **Auto centering**
- Temperature measurement with PT 100 **sealed probe** (work certificate, calibration certificate in 2 points)
- Can be set in °C or °F
- 4 measurement stations (+ 2 preheat spots)
- Motorized lifting system for paddle
- **Automatic paddle positioning** (6mm between the bottom of the cylinder and the paddle)
- Adjustable stirring speed up between 1 000 and 2 000 rpm (default value: 1500 rpm ± 15)
- Regulated stirring speed by electronic controller
- Carousel with indexation and locking system
- **Start & Stop button**
- Large viewing window
- Non-reflective enhanced LED lighting



*Photos are non-contractual - they may differ from actual products.



SOFTWARE

- Technical access protected by password
- 4 positions overview
- Integrated timer: audible and visual alarm
- Temperature calibration menu
- User friendly
- Software update by USB port

DISPLAY

- 4,3” resistive color touchscreen (tech range)
- LED lighting for better reading conditions
- Operable with gloves
- Low consumption

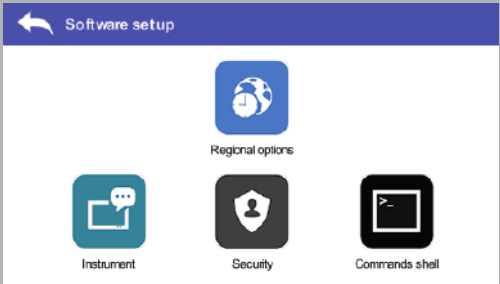


SAFETY FEATURES

- No access to rotating parts during the test
- Low level detection
- Fuse protection for peripherals components
- Double sided (no burning risks)
- Protective screen for display
- Over temperature protection (hardware)

OPTIONS

- Cleaning support for test tubes (6 positions)
- Tachometer for speed verification
- Electronic thermometer with optional ISO 17025 certificate
- Annual preventive maintenance with calibration certificate
- Bath fluid
- Protective shield for lifting system on request
- Anti algae treatment



SCOPE OF DELIVERY

42500

Dem Tech is an half automated tester that can be used for specification of new oils and monitoring of in-service oils.

The DEM Tech is delivered with:

- 1 stirring paddle with its certificate
- 4 test cylinders compliant with ASTM D1401
- 6 stoppers
- 1 power cable
- 1 quick start guide
- 1 USB stick including user manual
- 1 rubber spatula
- 1 conformity leaflet
- 1 pc 6mm spacer
- 1 thermometer
- 1 stylus

Installation requirements

- Dimensions : W 50 x L 56 X H 102
- Weight (with water): 47.2kg / tare weight : 19kg
- Bath : 20L

SUMMARY

Preset programs	54°C - 82°C	Power supply	230V - 50/60 Hertz (±10%)
Stability	0,1 °C		8,5A / 2 000 Watts
Temperature display	°C or °F	Dimensions	469 x 367 x 969mm
Temperature measurement	Pt 100 sealed probe		



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