Test Method
The ability of a lubricating oil to separate from water and resist emulsification is an important performance characteristic for applications involving water contamination and turbulence. Water separability is determined by stirring equal volumes of water and sample together at a controlled temperature to form an emulsion and observing the time required for separation of the emulsion to occur. This method is suitable for petroleum oils and synthetic fluids.

Water Separability Tester
- Tests emulsion characteristics of lubricating oils
- Seven sample capacity
- Movable digital stirrer with microprocessor control incorporates advanced features for flexibility and ease of operation
- Clear, illuminated heating bath provides excellent visibility
- Microprocessor temperature control with digital display and built-in protection against overtemperature and low liquid level hazards
- Conforms to ASTM, ISO and related standards for water separability testing
- Optional sensor for direct measurement of sample temperature
- With built in drain for convenient draining of bath medium

Seven-sample Water Separability Tester provides full visibility and microprocessor control of all functions for simplified, accurate testing of up to seven samples at a time. Use for specification of new oils and monitoring of in-service petroleum oils and synthetic fluids.

Specifications
Conforms to the specifications of: ASTM D1401, D6074, D6158; ISO 6614; DIN 51599; FTM 791-3201; NF T 60-125
Stirrer Range: 0-2000rpm
Accuracy: ±1.0rpm
Drive: 1/10hp (75W), high torque
Bath Temperature Range: 25˚C to 84˚C
Control Stability: ±0.05˚C
Capacity: seven (7) 100mL graduated cylinders
Construction: Clear polycarbonate tank 10”x11.25”x9.5” (25.5x28x24cm)
Medium: Water or white technical oil
Medium Capacity: 15.15L (4 gal)
Electrical Requirements:
115V, 60Hz, Single Phase, 12A
220-240V 50/60 Hz, Single Phase, 12A

Dimensions

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Order Qty</th>
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</thead>
<tbody>
<tr>
<td>K39400</td>
<td>Water Separability Tester, 115V 60Hz</td>
</tr>
<tr>
<td>K39496</td>
<td>Water Separability Tester, 230V 50/60Hz</td>
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Accessories

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>332-002-018</td>
<td>Cylinder 100mL, graduated from 5 to 100mL with 1.0mL divisions</td>
</tr>
<tr>
<td>250-000-19F</td>
<td>ASTM 19F Thermometer. Range: 120 to 134°F</td>
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<tr>
<td>250-000-19C</td>
<td>ASTM 19C Thermometer. Range: 49 to 57°C</td>
</tr>
<tr>
<td>250-000-21F</td>
<td>ASTM 21F Thermometer. Range: 174 to 188°F</td>
</tr>
<tr>
<td>250-000-21C</td>
<td>ASTM 21C Thermometer. Range: 79 to 87°C</td>
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<tr>
<td>K39252</td>
<td>PTFE Policeman</td>
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<tr>
<td>K39251</td>
<td>Test Tube Rack</td>
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Net Weight: 78 lbs (35.5kg)

For NIST traceable certified thermometers, please refer to the ASTM Thermometers sections on pages 184 through 191.

Software compatible, inquire with Koehler Customer Service.