

AUTOMATIC DISTILLATION OF PETROLEUM PRODUCTS

Dry Point Detection as Standard Feature- Dry point can be detected visually or by automatic detection for ASTM D850 and D1078 test methods. The unit is delivered ready with the PC board components already included as standard to perform the dry point analysis. Simply order the Automatic Dry Point Detection Kit for Solvents (see Ordering Information at right) which includes dry point thermocouple, 200mL flask and PTFE plug to perform dry point detection analysis automatically.

Ready for Groups 1 - 4 and more-Each Koehler Automatic Distillation Analyzer 5000 Series comes ready with the equipment, accessories and features as standard to properly run distillation groups 1 to 4 per ASTM D86 and related test specifications. No additional accessories are required. The Windows®-based software package allows simple operator selection of the programmed settings for each distillation protocol. No complicated routines are needed to set up the unit. User defined programs are easily created for customization of the analyzer.

Calculated Cetane Index-Calculated cetane index is a useful tool for estimating ASTM D4737 cetane number where a test engine is not available for determining this properly. It may be conveniently employed for approximating cetane number where the quantity of sample is too small for an engine rating. In cases where the cetane number of a fuel has been initially established, the index is useful as a cetane number check on subsequent samples of that fuel, provided its source and mode of manufacture remain unchanged. The Cetane index is automatically calculated at the end of the test if all the necessary variables are entered and is a component of the Windows®-based software which comes standard with the unit.

Carbon Residue on 10% Distillation Residue-As per section 10, ASTM D189 the procedure for carbon residue of light distillate oils can be performed.

Included Accessories

Distillation Flask, 125mL with Markings
Ceran Plate, 25mm dia. hole
Ceran Plate, 38mm dia. hole
Ceran Plate, 50mm dia. hole
3 Point Calibrated PT100 Thermometer with Cable and Plug
Special Graduated Receiver Cylinder with Base
Wiper for Condenser Tube
Dropping Plate
Teflon Plug for 125mL Flask
Silicone Plug for Flask Side Arm
Dry Point Detection Board
Windows®-based Automatic Distillation Software



K45703-TS Automatic Distillation Analyzer with Touch Screen Display and Integrated PC

Ordering Information

Automatic Distillation Analyzer 5000 Series

Catalog No.

K45603 Automatic Distillation Analyzer, 120V 60Hz
K45604 Automatic Distillation Analyzer, 230V 50/60Hz
K45703-TS Automatic Distillation Analyzer with Touch Screen Display and Integrated PC, 120V 60Hz
K45704-TS Automatic Distillation Analyzer with Touch Screen Display and Integrated PC, 230V 50/60Hz

Accessories

K45634 Distillation Flask, 125mL with Markings
K45635 PTFE Centering Stopper for 125mL Flask
K45655 Ceran Plate, 32mm dia. hole
K45656 Ceran Plate, 38mm dia. hole
K45657 Ceran Plate, 50mm dia. hole
K45656-A Ceran Plate, 25mm dia. hole
K45650 PT100 Thermometer with Cable and Plug
K45651-E Special Graduated Receiver Cylinder (with base)
K45651-B Special Graduated Receiver Cylinder (without base)
K45601-03014 Condenser Tube Cleaning Assembly
K45668 Dropping Plate
K45654-A Flask 200mL with Silicon Plug
K45652-C Silicone Plug
K45654 Automatic Dry Point Detection Kit for D850 and D1078



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