atmospheric distillation of petroleum products

Koehler
INSTRUMENT COMPANY, INC.

automatic atmospheric distillation tester

The design of the Koehler Automatic Atmospheric Distillation Tester uses the most advanced international design concepts and test methods to improve the degree of automation of the distillation unit, guarantee the accuracy of measurement, and minimize the potential for operator error. Using a high-speed ARM processor and embedded 10.4" TFT screen and user-friendly UI, the system guarantees hardware control and real-time performance.

test method

The sample is evaporated and condensed under controlled conditions, and observations are made of the temperatures at which various percentages are recovered and/or the percentages recovered at specific temperatures.

The Koehler Atmospheric Distillation Tester is designed to perform optimal distillation analyses of gasolines, kerosene, diesels, organic solvents, and benzene products to ensure conformity to rigid quality control standards. The tester automatically performs distillation testing, stores result data internally, and allows for data exportation through multiple functions

key features

Fully Automatic

Mlc-`srrml qr_pr dslargml dsjjw cvcasrcq _srmk_rga bgqrgjj_rgml q_knjc rcqrgle

Fgef Cddgagclaw Rcqrgle

Fgef+cddgagclaw amknpcqqmp amjb agpasj_rgml qwqrck npmtgbcq fgef qnccb ammjgle* gknpmtgle cddgagclaw _lb qfmprclgle kc_qspckclrglrcpt_j rgkc

Industrial Touch Screen User Interface

/.,2+glaf Amjmp Rmsaf Qapccl gq `sgjr+gl

USB & Network Connections

SQ@ Amllcargtgrw
PH23 Crfcplcr
PQ010 Nmpr
A_n_agrw rm amllcar rm J?KQ _lb J?L

Q_dcrw $ Amlbgrgml Kmlgrmpgle

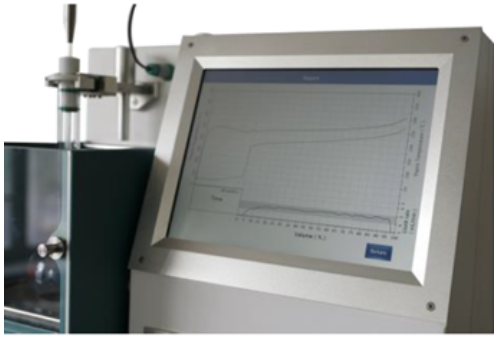
?srmk_rga dgpc cvrglesgqfgle qwqrck* bs_j+dj_kc bcrcargml* $ _srmk_rga dgpc cvrglesgqf dslargml

@sgjr+gl _gp npcqqspc qclqmp* /. + /1.iN_ _srmk_rga bcrcargml* pcqmjsrgml .,./IN_* _aasp_aw Ú.,/IN_* _srmk_rga amknclq_rgml* _lb rfc pcqsjr gq _srmk_rga_jjw amltcprcb rm rfc qr_lb_pb npcqqspc t_jsc,

Test conditions, such as temperature sensor, condenser cleaning, orifice plate, graduated cylinder, and flask, are automatically monitored

Safety Detection

Flask Positioning System



Unknown Sample Test Option
Automatic Residual and Loss Calculation

Easy Operation
Remote Troubleshooting within the Software

specifications

Conforms to the specifications of:
ASTM D86, D850, D1078, EN ISO 3405, IP123 and 195,
DIN 51 751, NF M07-002, GB/T 6536, and GB/T 3146.1

Steam Temperature:
Steam Temperature Range: 0 - 450°C
Steam Temperature Accuracy: ±0.1°C

Sample Volume:
Sample Volume Range: 0 - 103%
Sample Volume Resolution: 0.01 mL
Sample Volume Accuracy: ±0.1 mL

Condenser Temperature:
Condenser Temperature Range: -5 - 65°C
Condenser Temperature Accuracy: ±0.1°C

Distillation Rate:
Distillation Rate Range: 2 - 10 mL/min
Distillation Rate Resolution: 0.1 mL/min

Recovery Chamber Temperature:
Recovery Chamber Range: 0 - 60°C
Recovery Chamber Accuracy: ±0.1°C

Ambient Air Pressure:
Ambient Air Pressure Range: 1 - 130 kPa
Ambient Air Pressure Resolutions: 0.01 kPa
Ambient Air Pressure Accuracy: ±0.1 kPa

Electrical Requirements
110-230V 50/60Hz
<1200W

Operating Environment
Operating Ambient Temperature: 5 - 35 °C
Storage Temperature: -10 - 55 °C Relative
Humidity: <75%

Included Equipment
Atmospheric Distillation Zeolite (Pack)
Condenser Wiper
Flask
Temperature Sensor
Bottomless Measuring Cylinder
Oil Receivers

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