



AUTOMATIC DISTILLATION OF PETROLEUM PRODUCTS AT ATMOSPHERIC PRESSURE

ASTM D86, D850, D1078, ISO 3405, NFM 07002, DIN 51751, IP 123

The New NDI 440 optimizes the determination of boiling characteristics of gasoline, fuels, oils, spirits, naftas and very heavy products under atmospheric pressure. The instrument has been designed in order to operate either on a stand alone mode with its own keyboard, screen and printer or on a remote control mode with a Windows installed PC.

Strictly in accordance with standards, the instrument provides traceability of temperature gradients, auto-handling in case of decomposition point, auto-determination of heating levels, computer aided creation and memorization of distillation programs, 25 distillation product files and last 10 run memorization, on-line help system, PID temperature control and immediate thermostatisation of condenser and receiver.

Safety has been strengthened thanks to a 15 sec. periodic check-up of alarms, an automatic cut-off of heater, differential disrupters, fire detector and CO₂ extinguisher system, receiver presence and door shutting detectors.

SPECIFICATIONS

- 0 to 450°C operating range
- 0,05 °C precision for vapor detection temperature
- The receiver compartment is regulated up to 40°C for heavy samples and paraffin
- As specified by latest standard release both manual and automatic tests can be run
- Unmatched measurement capabilities.
- Stand alone or remote control operating mode

The instrument complies with the European Directives regarding operator and Environment safeties and is therefore bearing the CE label.

REF.40000 Model NDI 440, automatic stand alone unit operable through PC keyboard and standard 14" colour screen or alternatively connectable to external existing Pentium PC with Windows software. Basic unit with distillation flasks and CERAN boards as per mentioned methods, 100 ml receiver, 5 ml residue receiver, sensor adjuster, Pt 100 sensor, automatic dry point kit and more.

MAIN CONSUMABLES

19096 Seepage fingers (pack of 10)
19420 100 ml distillation f lask (D86)
19422 200 ml distillation f lask (D850)
24019 125 ml distillation f lask (D86)
26111 100 ml graduated receiver glass foot (D86)
40052 125 ml black bottom f lask
40065 Tef lon centering stopper for Pt 100 probe
40067 Tef lon centering stopper for dry point
40073 Dry point thermocouple
40078 Karanape board (38 mm)
40079 Karanape board (32 mm)

REFERENCE FLUID (on request)

SPARE PARTS (2 years basis)

12609 5 ml graduated cylinder for residue (D86)
20348 Ceran board hole 50 mm
21944 Ceran board hole 100 mm
24019 125 ml distillation f lask (D86)
27581 Ceran board hole 25 mm (benzene-toluene D850)
40049 Silicone stopper for condenser (pack of 50)
40076 Pt 100 f lask temperature measuring probe
40043 200 ml black bottom f lask (D1078)
40078 Karanape board (38 mm)
40079 Karanape board (32 mm)
40390 Printer paper Seyko DPU 414 (roll)
941238 Heating element (1000W)
40097 Maintenance kit for ND I440