

AUTOMATIC APPARATUS FOR THE DETERMINATION OF WATER SEPARABILITY OF PETROLEUM OILS AND SYNTHETIC FLUIDS ASTM D1401 - ISO 6614

The first automatic equipment with four independent positions on the market consists of a benchtop steel case containing the water bath, the camera, the electronics and supporting the paddles lifting mechanism. A Panel PC with 12" touch screen interface on the front permits to enter data and manage testing procedure: the instrument can run up to four tests independently and simultaneously and can be linked to LIMS or printers by means of two USB and the Ethernet port.



- Compact enamel-finished benchtop steel case.
- Anodized aluminium top plate.
- Insulating bath cover with four jackets for 100 ml graduated sample cylinders and four jackets for sample preheating.
- Jacket for ASTM 19C/21C control thermometer.
- Stainless steel heating bath with transparent glass windows: for use with distilled water. Working range: from ambient to 90°C, +/- 0.1°C regulation accuracy.
- High-efficiency LED backlight.
- Four sample stirrers mounted on lifting mechanisms that permit to run each test independently. Electronically controlled coaxial motors (no more belts).
- Paddle stirrers complete with shafts: brass chucks and nuts for a secure locking in working position.
- Built-in CMOS camera for image acquisition.
- 12" Panel PC with touch screen interface. Emergency switch on the front panel.
- Windows Embedded-based software that permits to run the tests, calibrate, diagnose, save data and print test reports. Tests can be run in automatic mode with the camera following the separation and automatically calculating the water, oil and emulsion volumes or manually with calculation to be done by the operator.
- Test reports are saved in the internal SSD and contain sample and operator data in addition to pictures of the sample taken every 5 minutes: for tests performed in automatic mode the report contains also the volumes of water, oil and emulsion automatically calculated every 5 minutes.
- Safety devices against overheating and low-level.
- One Ethernet and two USB ports.
- English written user manual.
- For 220 V/50-60 Hz connection, 1200 W.
- Dimensions (l x w x h): mm 450 x 660 x 1160 approx. Weight: kg 80 approx.
- CE marked.

AD1401-500 Apparatus

ACCESSORIES

CAL001 PT100 simulator
CAL003 Official Certificate for Pt100 simulator

CONSUMABLES

AD1401-C50 Graduate cylinder, Pyrex glass
AD1401-S14 Stirrer paddle
TA019C-N00 ASTM 19C thermometer (+49°C/+57°C)
TA021C-N00 ASTM 21C thermometer (+79°C/+87°C)

Specifications may vary without notice.

The apparatus includes the items listed aside the picture: accessories etc. should be purchased separately.



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