

ASTM D 97 - D 2500 - ISO 3015 & ISO 3016 - IP 15 & IP 219

SCOPE

Standard Test Method for Pour Point of Petroleum Products

FULLY AUTOMATED CLOUD AND POUR POINT TESTER - MODEL NTE 450 -

- REF 60300 -

MAIN CHARACTERISTICS

- Mimics the standard methods
- Detection by specific optical fibre for CLOUD Point
- Detection by ultra sonic sensor for POUR Point
- Visualisation of the different cooling steps detection every 3°C or every 1°C
- Programmable cooling slope
- Quick coupling on measuring head
- Stand alone
- Easy access to maintenance parameters by software
- Easy access to hardware maintenance
- Computer interface through a user friendly software accessible by touch screen
- Storage of 200 results in stand alone





ORDERING INFORMATION REF 60300 NTE 450 CPP For use on AC 230V - 50/60Hz

REF 60301 NTE 450 PP For determination of POUR POINT only / 115V - 50/60Hz

REF 60302 NTE 450 CP For determination of CLOUD POINT only / 115 - 50/60Hz

(W) 270x (D) 500x (H) 600 mm (+/- 25kg)

SCOPE OF DELIVERY

NTE 450 CPP delivered ready for use with:

REF 40386 Printer Could point tubes REF 21147 Pour point tubes REF 60310 Stainless steel probe for Pour Point REF 60311 Stainless steel probe for Cloud Point REF 60312 Optical Fibre for Cloud point detect REF 60313 Ultra sonic sensor for Pour Point de REF 60209 Stylet for touchscreen	nt :ion
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NECESSARY ACCESSORY

REF 22237	Ultra Cryostat	$(-81/+100^{\circ}C \pm .0.02)$

REF 60202 Connexion for 2 equipments on one cryostat

CONSUMMABLES

OPTION

Test tube for Pour Point **REF 21146**

REF 21147 Test tube with glass mirror for Cloud and Pour Point **REF 21150** Test tube with platinum mirror for Cloud and Pour Point

REFERENCE FLUIDS

REF 60002 Cloud point (diesel) **REF 60003** Pour point (diesel)

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HIGHLY COMPREHENSIVE SOFTWARE



MAIN MENU



COOLING STEPS GRAPH

-24;-33

-30

Quick and easy to master
 Simple icons
 Intuitive software
 Direct access by shortcuts
 QUICK TEST LAUNCH available
 Fresh design

PROBE CALIBRATION

TECHNICAL SPECIFICATIONS

GENERAL

- ✓ Visualisation of the detection level
- ✓ Adjustable bath temperature at stand by position
- ✓ Pt 100 sample temperature
- ✓ Jacket temperature
- \checkmark Visualisation of the cooling levels
- ✓ Apparatus and sensors status
- Easy access to the service parameters
- ✓ Storage of the 200 last tests results
- ✓ Sample identification
- ✓ Operator's name
- \checkmark Maintenance and calibration protected by

password

✓ Programme files: 15 (5 standards and 10 parametrable)

POUR POINT

5

-30

Sc / Gr

- ✓ Detection by ultrasonic sensor
- ✓ Temperature range from -75°C to 51°C (Lowest temperature depends on the cryostat type)
 - ✓ Temperature measurement resolution : 1°C
 - Tilting intervals : every 3°C or 1°C (configurable)

17:23:05

-60;-69

-70:

CLOUD POINT

- ✓ Detection by optical fibre
- ✓ Intervals of 1°C
- ✓ Temperature measurement resolution : 0,1°C
- ✓ Temperature range from -75°C to 49°C (Lowest temperature depends on the cryostat type)

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