



Oxidation Stability of Gasoline and Aviation Fuels



ASTM D525
ASTM D873
DIN 51780
DIN 51799
IP 40
IP 138
ISO 7536

ASTM D525 - IP 40 - DIN 51780 - ISO 7536
Oxidation Stability of Gasoline
(Induction Period Method)

This test method covers the determination of the stability of gasoline in finished form only, under accelerated oxidation conditions.

ASTM D873 - IP 138 - DIN 51799
Oxidation Stability of Aviation Fuels
(Potential Residue Method)

This test method covers the determination of the tendency of aviation reciprocating, turbine, and jet engine fuels to form gum and deposits under accelerated ageing conditions.

Art. LT/OS-201000-2/M Oxidation Stability Bath (2 places) ASTM D525

- Completely made in stainless steel
- About 30 litres capacity
- Heated by electric stainless steel heater controlled by a thermoregulator
- Cover serves as condenser with connections for water circulation
- Temperature range: ambient to 100°C

Art. LT/OS-201000-4/M Oxidation Stability Bath (4 places)

- Completely made in stainless steel
- About 40 litres capacity
- Heated by electric stainless steel heater controlled by a thermoregulator
- Cover serves as condenser with connections for water circulation
- Temperature range: ambient to 100°C

Power Supply

- 220Vac 50/60 Hz

Dimensions

- cm 60 × 60 × 100

Weight

- kg 65

Accessories for ASTM D525 - D873

- LT/OPV-200000: oxidation pressure vessel made in stainless steel, complete with o-ring, stem needle valve, fast connection, 30 bar pressure certificate
- LAB-102-013: junction for O₂
- LAB-102-014: pressure reducer
- LAB-102-001-DPS-RF-30: digital manometer with record functions
 - autonomous battery powered instrument with digital display designed to record pressure and temperature over long periods

- application: 0 ... 30 bar
- resolution: 10 mbar
- supply 3,6 V lithium battery, type SL-760
- all standard instruments are calibrated in bar; the pressure can be indicated in the following units: bar, mbar/hPa, kPa, MPa, PSI, kp/cm², (m)H₂O
- supplied with connection cable for data transfer

- LAB-102-001-K104/A: converter cable with Fischer plug
 - Fischer plug for connection of RS485A/B (without supply)
 - cable length: 1,8 m
 - galvanic isolation of communication
 - LED for indication of communication activity
 - driver software also included in delivery
- LAB-102-001/2: recorder pressure gauge, Bourdon spring, range 0-50 bar, equipped with 2 pens (red+blue), and plexiglass graduated plate (double scale)
- LAB-102-001/3: recorder pressure gauge, Bourdon spring, range 0-50 bar, equipped with 3 pens (red+blue+green), and plexiglass graduated plate (triple scale)
- LAB-102-012: pressure transmitting capillary (for connection to the vessel)
- LAB-102-001/P: spare pen, colour must be specified on PO
- LAB-102-001/S: pack of 500 diagrams sheet
- LAB-100-371/50: silicone oil can of 25 litres

Spare Parts

- LAB-110-012: heater
- LAB-140-002: PT 100 probe
- LAB-160-014: digital thermoregulator
- LAB-150-015: static relay
- LAB-150-022: motor for stirrer