OilLab 880
Saybolt Viscometer

CE

ASTM D88
ASTM D7496
ASTM E102
IP 55
FTM 791-0304
JIS K 2207

ASTM D88 Saybolt Viscosity
Covers the measurement of viscosities of petroleum products at temperature between 21° and 99°C (70° ÷ 210°F)

ASTM D7496
This test method utilizes the Saybolt Furol viscometer to measure the consistency of emulsified asphalt.
It is applicable to all the emulsified asphalts specified in Specifications D977 and D2397.

ASTM E 102 Saybolt Viscosity
Covers the measurement of viscosities of petroleum products at temperature between 121° and 232°C (250° ÷ 450°F)

Measuring Temperature Devices
• Bath temperature: PT100 sensor stainless and steel

Detection system
• Integrate CMOS sensor high definition
• Integrate LED backlight

Heater
• Electrical heating

Safety Devices
• Safety thermostat over-temperature cut-out

Software Features
• User friendly interface
• All analytical parameters recorded
• Customizable analysis parameters and methods
• Printable graphs and results
• Orifices calibration procedure with reference sample

• Centering procedure of the level mark of the receiver flask
• Automatic open/close valves
• Automatic viscosity calculation
• Audible chimie alarm for over-temperature
• Selectable temperature displaying: °C / °F

The software includes:
Analysis Menu
• Automatic execution of the analysis in accordance to the selected procedure (Standard method as per ASTM / IP / ISO / EN / DIN… norms of reference)
• Display in real time of all the analysis parameters and status
• Fields for operator and product name
• Audible alarm and displayed messages at the end of the analysis and in case of errors and/or malfunctions
Diagnostic Menu
• Direct access to all analog, digital, inputs and outputs
• Selectable value displaying: °C / Volt
Calibration Menu
• Up to 100 calibration points (standard with 5 and dynamic with up to 100 points)
• Last calibration date referred to each single probe displayed and relevant data printable
• Display of calibration diagram
• Comparative with reference thermometer
• Selection calibration due date
Data Utilities
• Archive viewer for files recall
• All analysis stored in Excel® compatible format
Analysis storage
• Storage capacity for more than 65.000 analysis
• Export of test results files in the most common formats Excel and PDF
• Reading interval of PT100 bath from 0 to 450 °C with resolution 0.1 °C

Integrated Touch Screen Panel PC
• TFT/LCD 8.4"
• Resolution 1024 × 768, 16.2 M colours
• 1 × USB ports for connection to an external printer

Electrical Supply
• 220V ± 15% / 50 to 60 Hz
• 115V ± 15% / 60 Hz

Ambient Temperature
• Max 35 °C
• H.R. 80%

Dimensions
• width 43 cm
• depth 38 cm
• height 60 cm

Weight
• 45 Kg

Accessories
• LAB-100-161: filter funnel with stainless steel wire mesh
• LAB-100-162: Saybolt flask 60 ml
• LAB-100-163: thermometer support
• LAB-100-164: withdrawal tube
• LAB-100-167: movement ring ASTM E 102
• LAB-100-168: suction pipette

Spare Parts
• LAB-100-161: filter funnel with stainless steel wire mesh
• LAB-100-162: Saybolt flask
• LAB-100-164: withdrawal tube
• LAB-100-165: universal orifice
• LAB-100-166: furol orifice
• LAB-100-168: suction pipette
• LAB-100-371: silicone oil 25 litres
• LAB-140-001/A: PT100 probe
• LAB-11-0012: heater