

SHATOX



Shatox SX-100M, SX-100K, SX-150 and SX-200 Analyzers consist of the following components:

- Processor module
- Sensor module with simulator (Imitator)
- Users manual
- Carrying case
- Serial cable and Windows software ([SX-100K](#), [SX-150](#) and [SX-200](#))

Specifications for SX-100M, 100K,150 and 200 Models	Value
Measurement range of octane numbers (ON), ON units	40-120
Acceptable limit of octane number measurement basic error, ON units	0.5
Limit of acceptable difference between parallel octane number measurements, ON units	±0.2
Acceptable error limit when determining diesel-fuel pour point (C °) (SX-150 only)	±2
Content of pour-point depressants for diesel fuels (%) (SX-150 only)	3
Kerosene content determination range in diesel fuels (SX-150 only)	0-95
Acceptable basic error limit when determining kerosene content in diesel fuels (%) (SX-150 only)	0.2-1
Acceptable basic error limit when determining of pour point depressants content (%) (SX-150 only)	0.01
Measurement range of cetane numbers (CN)	20-100
Gasoline oxidation breakdown time measurement range (min.) (SX-150 only)	50-2400
Acceptable basic error limit of gasoline oxidation breakdown time (%) (SX-150 only)	5
Acceptable limit of cetane number measurement error, CN units	±1.0
Limit of acceptable difference between parallel cetane number measurements, CN units (max)	± 0.5
Motor oil purity level measurement range, % max (SX-200 only)	95
Acceptable limit of motor oil purity level measurement error, % (SX-200 only)	0.1
Limit of acceptable difference between parallel motor oil purity level measurements, % (SX-200 only)	0.01
Fuel and oil dielectric conductivity measurement range, units (SX-200 only)	1-5
Acceptable limit of dielectric conductivity measurement error, units (SX-200 only)	0.001
Limit of acceptable difference between parallel dielectric conductivity measurements, units (SX-200 only)	0.001
Transformer oil disruption voltage measurement range, kV (SX-200 only)	5-100
Acceptable limit of transformer oil disruption voltage measurement error, kV (SX-200 only)	1
Limit of acceptable difference between parallel transformer oil disruption voltage measurements, V (SX-200 only)	0.2
Transformer oil dielectric dissipation measurement range, % (SX-200 only)	0.01-5
Acceptable limit of transformer oil dielectric dissipation measurement error, % (SX-200 only)	0.01
Limit of acceptable difference between parallel transformer oil dielectric dissipation measurements, units (SX-200 only)	0.001
Measurement time, seconds	1-5
Threshold of low battery voltage indication, Volts	5.4
Consumption current, mA	30
Time of continuous running with one set of batteries, hour	100
Operation temperature range	-10°C - 40 °C
Relative humidity, %	30-80
Atmosphere pressure, kPascal	64-106
Dimension (mm):	
Sensor module	60 x 100
Processor module (hand unit)	100 x 210 x 25
Weight (grams)	680