

SHATOX



Shatox SX-300 Analyzer consists of the following components:

- Processor module
- Users manual & Carrying case
- (2) Sensor modules with simulator (Imitator)
- Serial cable and Windows software

Specifications for SX-300	Units	Value
Operation temperature range	C °	-10 °C - 40 °C
Relative humidity	%	30-80
Atmosphere pressure	kPascal	64-106
Measured gasoline octane numbers range	ON	40-125
Acceptable limit of octane number measurement basic error, max	ON	± 0.5
Limit of acceptable difference between parallel octane number measurements, max	ON	± 0.2
Determination range of antiknock additives content in gasoline	%	0.5-15
Acceptable basic error limit of antiknock additives content determination in gasoline	%	0.1
Gasoline oxidation breakdown time measurement range	min.	50-2400
Acceptable basic error limit of gasoline oxidation breakdown time	%	5
Gasoline quality determination mode basing on volume resistivity	Om	10 ⁶ -10 ¹⁴
Acceptable basic error limit of volume resistivity measurements	%	3
Cetane numbers measurement range	CN	20-100
Acceptable basic error limit of cetane numbers, max	CN	±1.0
Acceptable difference limit between cetane numbers parallel measurements, max	CN	± 0.5
Acceptable error limit when determining diesel-fuel pour point	C °	± 2
Kerosene content determination range in diesel fuels	%	0-95
Mode for pour point depressants content determination for diesel fuel	%	3
Acceptable basic error limit when determining kerosene content in diesel fuels	%	0.2-1
Acceptable basic error limit when determining of pour point depressants content	%	0.01>
Motor oils clarity level measurement range	%	95-100
Acceptable error limit of motor oils clarity level measurement	%	0.1
Acceptable difference limit between motor oils clarity parallel measurements	%	0.01
POL dielectric permeability measurement range	Unit	1-5
Acceptable error limit of dielectric permeability measurement, max	Unit	0.001
Acceptable difference limit between POL dielectric permeability parallel measurements, max	Unit	0.001
Oils base number determination range	Unit	0-24
Acceptable basic error limit when determining oils basic number	BN unit	1
Motor oils manufacturer and brand determination	Name	-
Circuit-breaker oils (dielectrics) breakdown voltage measurement range	kV	5-100
Acceptable error limit of circuit-breaker oils breakdown voltage measurement, max	kV	1
Acceptable difference limit between circuit-breaker oils breakdown time parallel measurements, max	kV	0.2
Measurement range of circuit-breaker oils loss angle tangent	%	0.01-40
Acceptable error limit of circuit-breaker oils loss angle tangent, max	%	0.01
Acceptable difference limit between circuit-breaker oils loss angle tangent parallel measurements, max	Unit	0.001
Determination range for mechanical impurities content in oil products	%	97-100
Acceptable basic error limit when determining mechanical impurities content in oil products	%	0.01
Water-in-oil content determination range for oil products	%	0-30
Acceptable basic error limit when determining water-in-oil content of oil products	%	1
Insufficient power supply indication operation threshold	V	5.4
Processor module dimensions	mm	100x210x40
Sensor dimensions	mm	60x100
Instrument weight including sensors	gr	850