

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 |