



## SC8000OIL Oil Monitor

### Instrument features:

- LCD large screen liquid crystal display
- Smart menu
- Historical data records
- Manual or automatic temperature compensation
- three relay control switch
- Upper limit, lower limit, and hysteresis control
- 4-20mA & RS485 with multiple output options
- The same interface displays input values, temperature, current values, etc.
- Set a password to prevent unauthorized access

### technical parameter :

(1) Measurement range (based on the sensor's range):

Concentration: 0.1–200 mg/L  
temperature : -10 ~ 150.0°C;

(2) Resolution:

Concentration: 0.1/1 mg/L;  
temperature : 0.1°C;

(3) Basic error:

Concentration:  $\pm 5-10\%$  (depending on the sensor range);  
temperature :  $\pm 0.3^\circ\text{C}$ ;

(4) Two-channel current output:

0/4 to 20mA (with a load resistance of  $<750\Omega$ );  
20-4mA (load resistance  $<750\Omega$ );

(5) Communication output: RS485 MODBUS RTU;

(6) Three sets of relay control contacts:

5A 250VAC, 5A 30VDC;

(7) Power Supply (Optional):

85 ~ 265VAC  $\pm 10\%$ , 50  $\pm 1\text{Hz}$ , power  $\leq 3\text{W}$ ;

9-36VDC, power:  $\leq 3\text{W}$ ;

(8) Dimensions: 144×144×118 mm;

(9) Installation methods: panel-mounted, wall-mounted, or duct-mounted;

Panel opening size: 137×137mm;

(10) Protection rating: IP65;

(11) Instrument weight: 0.8 kg;

(12) Instrument operating environment:

Environmental temperature: -10 to 60°C;

Relative humidity: not greater than 90%;

There is no strong magnetic field interference  
except the earth magnetic field.