



SC7000OIL Oil Monitor

Instrument features:

- LCD liquid-crystal display
- Smart menu
- Manual or automatic temperature compensation
- relay control switch for two groups
- 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) Supports 1-channel current output with optional 2-channel configuration:

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

20-4mA (load resistance $<750\Omega$);

(5) Communication output: RS485 MODBUS RTU;

(6) Relay control contacts for both groups:

3A 250VAC, 3A 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: 98×98×130 mm;

(9) Installation options: panel mounting or wall-mounted.

Panel opening dimensions: 92.5 × 92.5 mm;

(10) Protection rating: IP65;

(11) Instrument weight: 0.6 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.