



T4036 Acid/Alkali/Salt Concentrator

The industrial online acid/alkali/salt concentration monitoring and control instrument is a water quality monitoring and control device equipped with a microprocessor. This instrument is widely used in industries such as thermal power, chemical, and steel acid washing, including the regeneration of ion exchange resins in power plants and chemical industrial processes, for continuous detection and control of chemical acid or alkali concentrations in aqueous solutions.

Instrument features:

- LCD color liquid crystal display
- Smart menu
- Multiple signal output methods
- Manual or automatic temperature compensation
- relay control switch for two groups
- Upper limit, lower limit, and hysteresis control

- The same interface displays measurement values, temperature, status, and more.
- Password protection prevents unauthorized access

technical parameter :

(1) Measurement range (based on electrode range):

NAOH: 0 ~ 16%; CaCL₂: 0 ~ 22%;
 NACL: 0 ~ 10%; HNO₃: 0 ~ 10%;
 HCL: 0 ~ 10%; H₂SO₄: 0 ~ 10%;
 temperature : -10 ~ 150.0°C;

(2) Resolution:

Concentration: 0.01%;
 temperature : 0.1°C;

(3) Basic error:

Concentration: ±0.25%;
 temperature : ±0.3°C;

(4) Stability: ±0.25%/24h;

(5) Two-channel current output:

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

20-4mA (load resistance <750Ω);

(6) Communication output: RS485 MODBUS RTU;

(7) Relay control contacts for both groups:

3A 250VAC, 3A 30VDC;

(8) Power Supply (Optional):

85 ~ 265VAC ±10%, 50 ±1Hz, power ≤3W;

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

(9) Dimensions: $98 \times 98 \times 130$ mm;

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

Panel opening dimensions: 92.5×92.5 mm;

(11) Protection rating: IP65;

(12) Weight: 0.6 kg;

(13) Work 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.