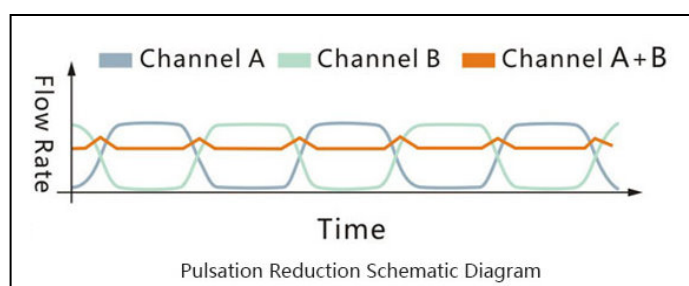


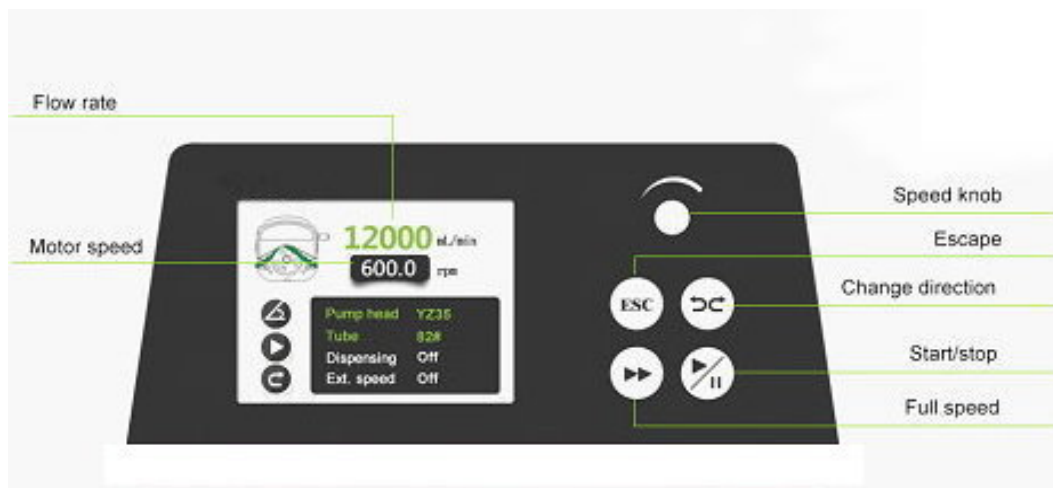
## Industrial-Pump TCN-6-2



The TCN-6 is a powerful peristaltic pump with stainless steel housing and servo motor. It is suitable for industrial production, pilot scale tests, ultra filtration supporting and liquid transfer with large flow and high precision. You have the possibility to adjust the speed range from 0.1 to 600 rpm and the flow rate can be set between 0.2 - 6000 ml/min/channel (depending by tube size and number of rollers). The LCD display gives you an overview of current dispensing values and as an extra functionality there is a timer function for the dosing. 8 different external control ways with RS232/RS485 communication interface (Modbus protocol RTU mode) and it can be connected with pc, PLC and HMI. The pump has low vibration and a low noise level. The pump is conform to GMP requirements.

This pump is the ideal choice for laboratories and industrial production where there is a need of precise dosing and low product pulsation. The 2 rotors are mounted in alternated way for reduce pulsation to an minimum.





## Technical Specifications

- Flow rate range: 0.2-6000 ml/min/channel
- Speed range: 0.1-600 rpm
- Speed resolution: 0-100 rpm -> 0.01 rpm and 100-600 rpm -> 1 rpm
- Flow rate accuracy:  $\pm 0.5\%$
- Output pressure: 0.3 Mpa (3 bar)
- Motor type: Servo motor
- Display: 3 digit LED screen
- Dosing: Timer function for simple dispensing
- Control method: Mechanical keypad
- Speed control: Rotary encoded switch
- External speed control signal : 0-5V (standard), 0-10V, 4-20mA (optional)
- Start/stop, direction signal: Passive switch signal, such as foot pedal. Active switch signal: 24V (default)
- Communication interface: RS232 (standard), Shenchen-N232 Communication protocol; RS485 (optional), MODBUS protocol (RTU mode)
- Power supply: AC 220V  $\pm 10\%$  50 Hz/60 Hz (standard), AC 110V  $\pm 10\%$  50 Hz/60 Hz (optional)
- Housing material: 304 stainless steel
- Dive dimension: (LxWxH): 223x152x200 mm
- Power consumption: <80 W
- Condition temperature: 0-40°C
- Relative humidity: <80%
- IP rate: IP31