



CT3000F Micro Gear Pump

product introduction

CT3000F is a high performance, low noise of micro gear pump, brushless servo motor, stainless steel, magnetic drive pump can be realized without pulsation, constant velocity of the fluid flow control. Drives using stainless steel house, color LCD display, touch screen operation, can be easily set parameters. A variety of work mode, flow display, and are suitable for all kinds of experimental areas. A variety of external control way, convenient use together with other devices, more the MODBUS protocol communication, simplify the difficulty of system development.

CT3000F work speed 50-3000 rpm/min, speed resolution 1rpm

Flow: 15-2700 mL/min

Max: 1 Channel

[Description](#)

Description

Function and Feature

- It can be installed a variety of pump heads
- This pump is suitable for transmission more viscous, high pressure liquid
- No pulse transmission, low noise
- Magnetic coupling is designed, easy to maintain
- Brushless servo drive, high efficiency, no maintenance
- Choose color LCD display, touch screen operation
- Display and control the flow rate,
- It has a variety of working mode
- Flow calibration wizard, ensure the accuracy of fluid volume
- Intelligent temperature control function
- External control signal control, physical isolation, analog control
- RS485 communication, support the MODBUS protocol
- Stainless steel house.
- Wide range power input, adapted to different environment

CT 3000F technical parameters

Main function

Pump head MS204,MS209,MS213

keypad to control start-stop, direction, speed, memory (power lost memory);Foot switch control, external start-stop and external control direction, with physical isolation, input level 5 v / 12 v / 24 v input is optional;0 to 5 v / 0 to 10 v / 4-20 mA speed optional; flow mode, fluid volume distribution mode, time distribution mode, copy distribution mode.

Communication RS485, Support Modbus communication protocol

Display Color LCD display

Direction CW/CCW

Main performance

Flow range 15-2700 mL/min

Speed range 50-3000 rpm/min

| | |
|------------------|------------------------------------|
| Speed resolution | 1rpm/min, accuracy:0.5% |
| Time dispensing | 0.1-999 seconds |
| Pause time | 0.1-999.9 seconds |
| Dispensing times | 0-999S |
| Ajusting way | keypad and touch screen operation |
| Display mode | 65565 Color LCD |
| power supply | AC 100-240V 50Hz/60Hz |
| Consumption | <150W |
| work environment | Environment 0 -40°C ,humidity <80% |
| dimension size | 320*150* 237mm |
| Drive weight | 5.5kg |
| IP standard | IP31 |

» **CT 3000F suitable pump head**

| Pump head | Gear material | Pressure (MPa) | Flow range (mL/min) | Liquid temperature°C |
|-----------------|---------------|----------------|---------------------|----------------------|
| MS204XD0PT00000 | PEEK | ≤1.4 | 15-900 | -45-120 |
| MS209XD0PT00000 | PEEK | ≤0.9 | 30-1800 | -45-120 |
| MS213XD0PT00000 | PEEK | ≤0.8 | 45-2700 | -45-120 |