



CT3001F Micro Gear Pump

Product introduction

CT3001F is a high performance, low noise of micro gear pump, brushless servo motor, stainless steel, magnetic drive pump head can be realized constant transferring fluid without pulsation. Streamline drives use plastic shell, 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 LAB areas. A variety of external control way, convenient to use with other devices, and the MODBUS protocol communication, simplify the difficulty of system development.

CT3001F working speed 50-3000 r/min, speed resolution 1rpm.

Flow: 15-2700 mL/min

Max: 1 Channel

SKU: CT3001F Category: [Dispensing Gear Pumps](#)

- [Description](#)

Description

Function and Feature

- It can be installed a variety of pump head.
- It is suitable for transmission more viscous, high pressure liquid.
- No pulse transmission, low noise.
- Adopt magnetic coupling is designed, easy to maintain.
- Adopt brushless servo drive, high efficiency, no maintenance.
- Color LCD display, touch screen operation.
- Display the flow rate and flow rate controllable.
- It has a variety of work 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.
- Shape adopt stream line plastic shell.
- Wide range power input, adapted to different environment.

Technical Parameters:

CT3001F parameters

Main Function

Suitable pump heads	MG204, MG209, MG213
Main function	Keypad to control start/stop, direction, full speed, memory (power lost memory); Foot switch control external control start/stop, external control direction, with physical isolation, level 5 v / 12 v / 24 v input is optional; 0 to 5 v / 0 to 10 v / 4-20 mA speed control optional; Transfer mode, fluid volume distribution mode, time distribution mode, copy distribution mode.
Communication function	RS485. Support Modbus communication protocol
Display function	True color touch screen display
Direction control	CW&CCW

Main Features

Flow range	15-2700mL/min
Speed range	50-3000RPM
Speed resolution	1rpm/min, accuracy:0.5%
Dispensing time	0.1-99.99second
Interval time	0.1-999.9second
Dispensing times	0-999
Control way	Keypad + Touch screen
Display way	65565 LCD
Power supply	AC 100-240V 50Hz/60Hz
Power consumption	<50W
Working environment	Working environment :0 -40°C Relative humidity <80%
Dimension	342*198* 182mm
Drive weight	3.5kg
IP standard	IP31

» CT3001F suitable Pump head

Pump head model	Gear material	Transfer pressure(Mpa)	Flow rate(ml/min)
MG204XD0PT00000	PEEK	≤0.8	15-900
MG209XD0PT00000	PEEK	≤0.8	30-1800
MG213XD0PT000000	PEEK	≤0.3	45-2700