



CT3001S Micro Gear Pump

Product introduction

CT3001S is a high performance, low noise of micro gear pump, adopts brushless motor, stainless steel, magnetic drive pump can be realized without pulsation, constant velocity of the fluid flow control. Drive to use plastic house, digital display, keypad operation, can be easily set parameters. Speed display, light display status, 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.

CT3001S work speed of 300-300 r/min, turn speed resolution 1rpm

Flow: 90- 2700mL/min

Max: 1 Channel

[Description](#)

Description

Function and Feature

- It can be installed a variety of pump head
- This pump is suitable for transmission more viscous, high pressure liquid
- No pulse transmission, low noise
- Magnetic coupling is designed, easy to maintain
- Brushless drive, high efficiency, no maintenance
- The digital display, keypad operation.
- Speed display
- Regularly dispensing liquid.
- External control signal control, physical isolation, analog control
- RS485 communication, support the MODBUS protocol
- Plastic ABS house
- wide range power input, adapted to different environment

CT3001S technical parameters

Main function

Pump head MG204, MG209, MG213

Functions keypad control Start-stop, speed and state memory (power lost memory); Foot switch control, external start-stop and external control direction, input physical isolation, level 5 v / 12 v / 24 v input is optional; 0 to 5 v / 0 to 10 v / 4-20 ma speed optional; Time dispensing function

Communication RS485, Support Modbus communication protocol

Display display speed and mode

Direction CW/CCW

Main performance

Flow range 90-2700mL/min

Speed range 300-3000rpm/min

Speed resolution 1rpm/min, accuracy 3%

Adjusting way Mask keypad operation

Display mdoe	4 LED digital display
Power supply	AC 100-240V 50Hz/60Hz (standard)
consumption	<50W
Working environment	Environment 0~ 40°C humidity <80%
Dimension size	182*343* 198mm
Drive weight	3.3kg
IP standard	IP31

» **CT3001S suitable pump head**

Pump head	Gear material	Pressure (MPa)	Flow rate(ml/min)	Speed(rpm)
MG204XD0PT00000	PEEK	≤0.8	90-900	300-3000
MG209XD0PT00000	PEEK	≤0.8	180-1800	300-3000
MG213XD0PT00000	PEEK	≤0.3	270-2700	300-3000