

## PSYN-400 Batch Controller

### General

PSYN-400 Batch Controller is a new kind of intelligent controlling instrument with latest Single Chip Microprocessor (SCM). It has features of highlight LCD display with back light, compact structure, high stability, temperature and pressure compensation, password protection and intelligent read-in & read-out IC Card. It works matching with flowmeter and valves to achieve auto-loading/unloading oil truck/tanker by control the pump or valve. It also can be matched with upper industrial computer to buildup auto loading/unloading control system, while the upper industry computer has the functions of monitor, control, report, query and print and so on.

### Main Technical Datum:

#### Flow Signal Input:

- Voltage Pulse(Two wire System):  
 $V_{p-p} > 3V (V_H > 8V, V_L < 4V)$
- Voltage Pulse(Three wire System):  
 $V_H > 9V, V_L < 0.5V$ , Power:DC+12V(+24V)
- Current Pulse(Two wire System):  
 $I_{p-p} > 3mA (I_H > 4mA, V_L < 1mA)$
- Signal Frequency:1~5000Hz

#### Temperature Signal Input:

DC+24V, 4-20mA (Two wire System)  
Temperature Transmitter

#### Controlling Signal Output

- One channel controls Valve, the other channel controls pump.
- Relay Capability:5A/AC220V(AC380V)

#### Earthing Detection:

On-off Signal

Display: Large LED Screen Display (Option)

Communication:RS-485 or RS-232 Standard Interface

Max. Counter: 9999999(Cycling counting)

Ration Range: 0.01~9.99999

Pulse Equivalent Range: 0.0001~99.9999

Density Set Range: 0.001~9.9999

Time Interval(Load truck, ship or barrel):1~999Second,

Batch Number: 1~999

Datum Save: Power-Off Datum Auto-save

Power: AC220V( $\pm 10\%$ ), 50Hz or 24V DC

Ambient Temp.: -30°C~+50°C;

System Accuracy: 0.02%

Install Dimension: 350X200(Wide x Height), Hanging Type.





**Model Description:**

Model	PSYN-400											Additional		Note
	1	2	3	4	5	6	7	8	9	10	11	12	IC	
	Type	Display	Channel	Structure	Power	Flow Signal	Temperature	Pressure Communication	Valve Control	Pump Control				
PSYN-400														Main Control System
	J													General Type
	H													Explosion-proof Type
		A												LCD big digit display
		B												LCD Chinese display
		C												LCD small digit display
		D												LED vertical display
		E												LED horizontal display
		F												LCD horizontal display
		G												Many screens display (custom-made)
			D											Single channel
			S											Double channel
				B										Hanging type
				G										Cabinet type
				H										Box type
				T										Desk-top type
				Z										Bracket type
					1									DC24V
					2									AC220V
						1								DC12V-Pulse
						2								DC24V-Pulse
						3								(4-20)mA
						4								Others
							0							No
							1							(4-20)mA
								0						No
								1						(4-20)mA
									0					No control
									1					Electromagnetically Valve
									2					Electro-hydraulic valve
									3					Electric Motor Control Valve
									4					Pneumatic valve
									5					Others
										0				No control
										1				DC24V
										2				Normally open contact
											0			No
											1			RS485
											2			RS232
												0		No
												1		With IC Card
													0	No
													1	With Micro-printer
													0	No
													1	With Big Screen