

# BATCH CONTROLLER (BC6000)



## BASIC

Various protocols provided  
Large Size Graphics Display  
Remote control 5 Terminal  
Back Light  
Display Pressure & Temperature  
86 - 260 V AC  
PULSE&Analog Flow Input

## FUNCTION & FEATURES

Flow rate & Total of the Mass,  
Corrected volume or Energy  
Interlock (Earth Device)  
Overrun Compensation  
No Signal Alarm  
Displays Relay state  
Displays Setted batch quantity  
Flowrate & Accumulated Total

## Overview

BC 6000 BATCH CONTROLLER는 여러 종류의 유량계로부터 PULSE 또는 ANALOG 신호를 받아서 1단 또는 2단 ON-OFF 밸브(SHUT-OFF VALVE) 그리고 PUMP와 결합하여 일정량의 유체출하를 자동적으로 제어하는 정량 제어기 (BATCH CONTROLLER)입니다.

## CONFIGURATION

Graphic LCD Display  
Rate, Total, Temp, Press

Flow(Pulse, 4 - 20mA)  
Press(4 - 20mA)  
Temp(RTD, 4 - 20mA)  
**Earth Device**



Control Relay (2P)  
Pulse (2P)  
RS232, 422, 485  
4 - 20mA (Flow)  
Flow Alarm (O.C)  
E.O.B(O.C)

5 Key Input Logic Input

## Gorden rules Co.,Ltd

ADD : 30, Songdomirae-ro, Yeonsu-gu, Incheon,  
Republic of Korea

Tel : (032) 817-1240

Fax : (032) 817-1250

E-mail : hhm617@naver.com

Web : www.goldenrules.co.kr



# BATCH CONTROLLER (BC6000)

## General

- Display : 73X52mm Graphic LC(Backlight)
- Transducer Supply : 8-24V dc field adjustable, 110mA max
- Power 100 ~ 240 V AC
- Operating Temperature: 0 ~ 55°C
- Dimension: 146mm(w) X 75mm(h)X151mm(d)
- Panel cutout: 139mm(w) X 66.5mm(h)
- Approvals : CE,KC

## Frequency Input

- Minimum : 0.25Hz on Rate, 0Hz on Total
- Maximum : 10KHz
- Input Circuits : Sine, logic and proximity switch inputs, Current Pulses, Open Collect Pulses
- Meter factor Range : 0.000001 ~ 1000
- Non-Linear Correction : Up to 10 correction points

## 4-20mA Input

- Input Types : Flow (2 ranges), pressure and temperature
- Input Impedance : 250 ohms
- Measurement Range :
  - Pressure : 0 ~ 100 kgf/cm<sup>2</sup> abs
  - Temperature : -273°C to 800°C
  - Flow : 0.00001 ~ 999,999
- Accuracy : 0.1%
- Circuit : 250 ohm resistors connected to a common signal ground (current sinking)
- Non-Linear Correction : 20 point curve can be applied to the flow input

## RTD Input

- Type : PT100 4Wire or 2,3Wire
- Range : -100°C to 300°C
- Accuracy : 0.1°C
- Linearity : The non-linearity of the RTD is internally compensated

## Pressure Input

- Type : Absolute or gauge
- Span : Absolute or gauge pressure is programmable at 4mA and 20mA
- Atmospheric :
  - If a gauge pressure sensor is used, the atmospheric pressure is programmable

## Pulse Output

- Corrected Pulse :
- Pulse Width : 10,100, 250, 500ms
- Duty Cycle : 50 HZ. max.
- Uncorrected Pulse : Specification of the output is the same as the input.
- Output : Open collector transistor will sink 50mA max.

## 4 - 20mA Output

- Function : Flow Rate (calculated volume, mass and Energy) Temp,Pressure
- Isolation : Output is isolated
- Maximum Load : 600 ohms internally powered.
- Accuracy : Better than 0.1%
- Resolution : 12 Bits

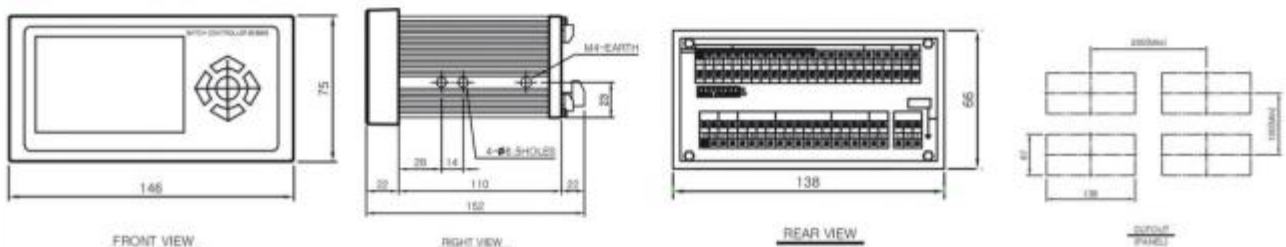
## RS232/485

- Type : Both RS232 and RS485 are provided.
- Function : Printer and computer protocols are fully programmable
- Printer : A print is initiated on each reset or at a programmable time interval. (Note : Protocols are provided for roll & column printers.)
- Computer : An ASCII based protocol enables all displayed parameters to be read and the totals to be reset
- Protocol : ASCII, ASCII2, MODBUS RTU, MODBUS ASCII
- Data Logging : Output generated at intervals of once a minute to once every 24 hours.
- The totals can be programmed to reset on each print or at 24 : 00 hours
- Time : A real time clock is provided to give time and date on each output
- Baud rate : 2,400 ~ 57,600

## Relay Output

- Function : High and low flow rate alarms based on the flow rate in mass corrected volume or energy
- Maximum Ratings : Power : 250VA  
Voltage : 250VAC, 30VDC  
Current : 5 Amps

## Dimension



## Gorden rules Co.,Ltd

ADD : 30, Songdomirae-ro, Yeonsu-gu, Incheon, Republic of Korea

Tel : (032) 817-1240

Fax : (032) 817-1250

E-mail : hhm617@naver.com

Web : www.goldenrules.co.kr

