

# PROGRAMBLE PULSE CONVERTER

SHN-700



- It can be accept variout of the sensors signals.
- We proud of it's high accuracy(0.15%) use by B bit CPU
- It is possible to display of Frequency, scale range, and current output
- It is possible to setting of input-frequency and K-fator value easily.
- It is possible to error compensation of input and output different and set of low limits

## GENERAL SPECIFICATIONS

Isolation / Type	Photo-Coupler Isolation
Power Supply	AC 95~250V, 50~60Hz DC 24V, 150mA
Accuracy	±0.15% full scale ± digit
Insulation Resistance	Greater than 100M Ω with DC 500V
Dielectric Strength	Input - Power/output AC 2000V Output1 - Output2 AC 1000V GND - Power
Display	0-9999, 7segment 4digit
Response Time	0.5 Sec of Less(0~90%)
Operating Temperature / Humdity	-20~60°C/90%(N.C), -20°C~80°C/90%(N.C)
Case material / Weight	ABS Resin(black)/about 400g~450g
Mounting	Wall & Rail mounting
Dimensions	1 point(8pin):50(W) × 85(H) × 122(D)(mm) 2 point(11pin):50(W) × 85(H) × 133(D)(mm)

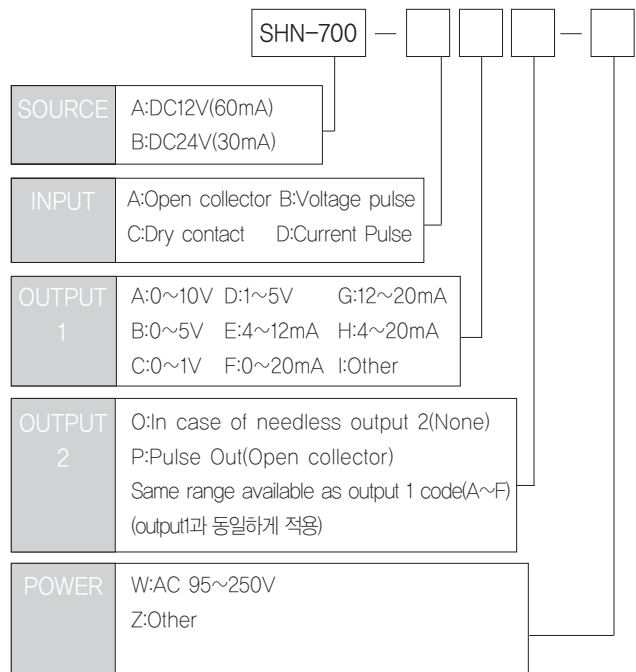
## INPUT&OUTPUT SPECIFICATIONS

Frequency Range	0.05~10kHz	
Open Collector Spec	Pulse Width	10msec. at 20Hz
	Duty Ratio	20~80%
	Sensing	DC 12V at 3mA
	Input Amplitude	2V for ON, 3V for off
Square or Sine Waveforms		
Voltage Pulse Spec	Pulse Widty	10msec. at 20Hz
	Duty Ratio	20~80%
	Input Amplitude	50mV(p-p)~50V(p-p)
	Input Impedance	62kΩ
Current Pulse	Input Impedance	250Ω

## OUTPUT LOAD RESISTANCE

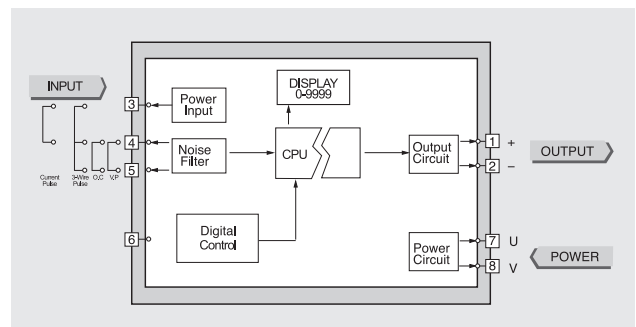
Output	1 Point		2 Point		Remark
	Output	Output-1	Output-2		
4 ~ 20mA	700Ω	600Ω	350Ω	(Max)	
1~5v	5kΩ	5kΩ	5kΩ	(Min)	
Pulse	Voltage DC60V(Max)		0.4A	1.4kΩ	

## MODEL & SUFFIX CODE SELECTION

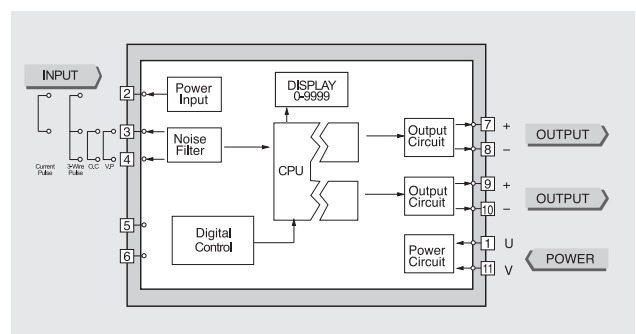


## BLOCK DIAGRAM

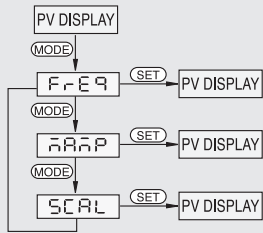
### 1 Point Output



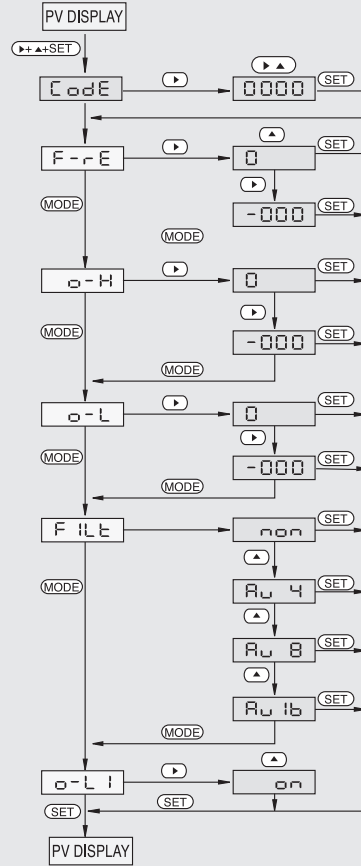
### 2 Point Output



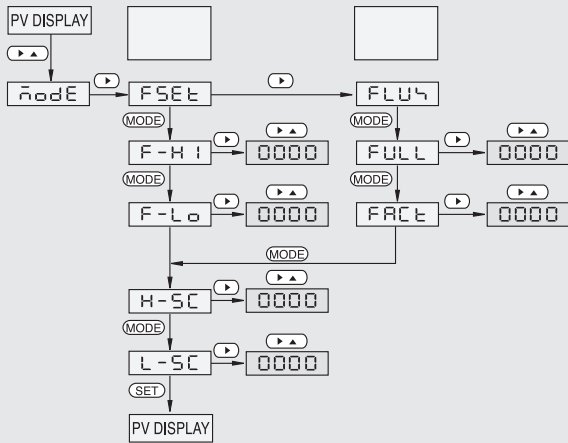
### Display 표시방법



### 보정방법 및 특수기능 운전방법

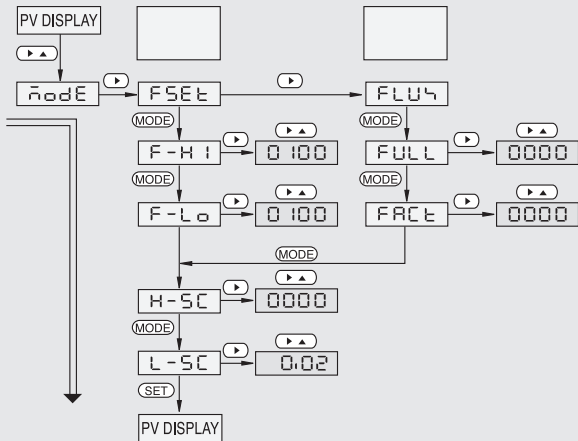


### Setting 방법



### Setting 방법(주파수 Type)

ex. -입력 주파수 범위:10~100Hz  
 -출력 범위(scale):0~100  
 -전류 보정:0.02mA



### Setting 방법(유량 Type)

ex. -full range:3600  
 -factor value:0.104  
 -출력 범위(scale):3600  
 -전류 보정:-0.02mA

