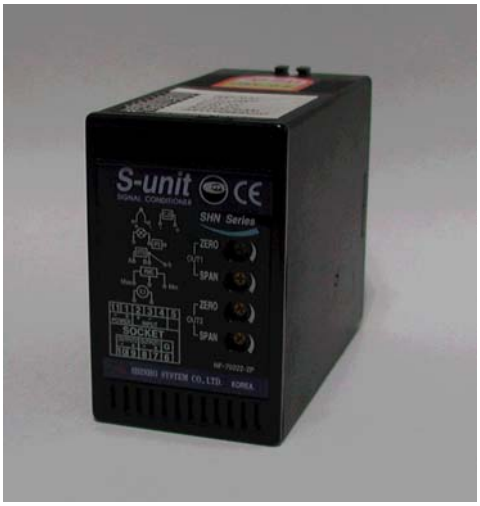
SIGNAL CONVERTER SHN-DSO



A converter is used to distributes DC signal in isolated condition.

- Isolation between control and field instrumentation.
- Contains overvoltage protection circuit.
- Transformer isolation type.
- 2 Input to 2 output type converter.
- Contains lighting arrester device.

MODEL & SUFFIX CODE SELECTION

SHN-DSO – □ □ □ □ □

MODEL

INPUT1
A: 1~5V B: 4~20mA
C: Other

INPUT2
A: 1~5V B: 4~20mA
C: Other

OUTPUT1
A: 1~5V B: 4~20mA
C: Other

OUTPUT2
A: 1~5V B: 4~20mA
C: Other

POWER
V: AC 110V Y: DC 24V(option)
W: AC 220V Z: Other

GENERAL SPECIFICATIONS

Isolation type	Input to output to power/Transformer Isolation type		
Power Supply	AC rating ±10%, 3.5VA		
	DC rating ±10%, (ripple 10%) 100mA		
Accuracy	±0.1%(max)		
Temp Coefficient	±0.015%/℃		
Linearity	±0.02% F.S		
Insulation Resistance	Greater then 100MΩ with DC500V		
Dielectric Strength	Input-Power	AC2500V	1 minute
	Output-Power		
	GND-Power	AC1000V	
Front Adjustments	Zero and Span ±5%		
Overrange Output	approx -10%~110% at DC1~5V		
Response Time	≤0.5 sec(0~90%)		
Operating Temperature/Humidity	0~60℃/90%(N.C)		
Storage Temperature/Humidity	-20~80℃/95%(N.C)		
Dimensions	W50×H85×D133(mm)		
Case Material	ABS Resin(black)		
Weight	about 400g		
Mounting	Wall mounting type		

INPUT & OUTPUT SPECIFICATIONS

■ INPUT IMPEDANCE

Input	Impedance
Current	250Ω
Voltage	1MΩ(min)

■ OUTPUT LOAD RESISTANCE

Output	Load resistance
4~20mA	700Ω(max)
2~10mA	1200Ω(max)
1~5V	5000Ω(min)
0~1V	1000Ω(min)

PROTECTION DEVICE SPECIFICATIONS

Discharge Voltage	btwn lines	DC28V~30V or more
	btwn lines & GND	255V~345V
Typical Response Time		0.1㎲ or less
Discharge Current		3000A (8×20㎲)
Impulse Life		300times (8×20㎲/100A)

BLOCK DIAGRAM