

HEAD-MOUNTED TRANSMITTER

SHT-50/100



- Multi input(Pt100 Ω , T/C)
- Roder Setting(Program, Mode)
- High-accuracy clod junction compensation
- Standard 4~20mA DC signal
- SHT-50:Range fix Type

GENERAL SPECIFICATIONS

Power Supply	DC12V ~45V	
Output Limited	LOW	3.8mA
	Hfhigh	20.8mA
Input Max Lead Resistance	RTD	10 Ω
	Other	300 Ω
CMRR	140dB or more	
NMRR	40dB or more	
Fiter Type Selection	None, Fir, 4AVG, 8AVG, 16AVG	
Output Ripple	0.5% of max output current	
Dielection Strength	Input-Output	AC 1000V/msec
Insulation Resistance	Input-Output	100M Ω more with DC 500V
Load Limit	R=(Use-12)/0.21 Ω	
Respohe Time	1 sec(Min)	
Operating Temperature/Humidity	-10 $^{\circ}$ C ~ 60 $^{\circ}$ C / 10~90% (N . C)	
Storage Temperature/Humidity	-20 $^{\circ}$ C ~ 70 $^{\circ}$ C / 5~95% (N . C)	
Dimensions	54 $\varnothing$ ×24(mm)	
Case Material	Steal	
Accuracy	±0.02% Full Scale, ±1	
Input Impedance	전압 : 1 M Ω 온도 : 1 M Ω or more	
Temp Coefficient	±0.015% / $^{\circ}$ C	

MODEL & SUFFIX CODE SELECTION

MODEL		SHT-50/100	—		°C
(50: Range fix Type 100:Multi Input)					
INPUT	Multi Function				
	A : Pt 100 Ω E : J(IC) B : JPt 100 Ω F : T(CC) C : KC(A) G : R D : ECC(RC) H : B(option) I : S(option)				
RANGE	Ordering Information Temperature Range($^{\circ}$ C)				
OUTPUT	4~ 20mA DC				
SUPPLY VOLTAGE	16 ~ 32V DC				

TEMPERATURE RANGE

Multi input range (PC Down Road)

Input	Range of input and scale	MIN Span	Digital Accuracy
T/C	R (PR 13%)	0~1750 $^{\circ}$ C	±0.60 $^{\circ}$ C
	K (CA)	-200~1350 $^{\circ}$ C	±0.35 $^{\circ}$ C
	T/C E (CRC)	-200.0~700.0 $^{\circ}$ C	±0.20 $^{\circ}$ C
	J (IC)	-200.0~800.0 $^{\circ}$ C	±0.25 $^{\circ}$ C
	T (CC)	-200.0~400.0 $^{\circ}$ C	±0.25 $^{\circ}$ C
	RTD Pt100 Ω	-200.0~800.0 $^{\circ}$ C	±0.17 $^{\circ}$ C
RTD	Pt100 Ω (JIS)	-200.0~500.0 $^{\circ}$ C	±0.17 $^{\circ}$ C
mA	0~20.0mA		
mV	-50.0~50.0mV		