

# SLIM TYPE FREQUENCY ISOLATED TRANSMITTER

MODEL  
STF



## FEATURES

- Accuracy 0.1%F.S.
- Wide selection of input/output range
- Dielectric strength 1.5KVac/1 min.(input/output1/output2)
- Wide input range for auxiliary power
- Dimension small & High stability

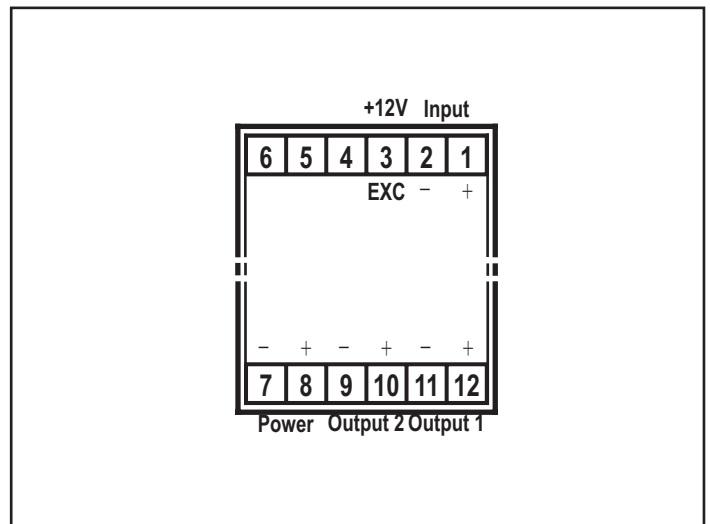
## 1.MODEL:STF-□ □ □ □

NO	Input Type	NO	Input Type	NO	Input Range	NO	Output 1 Range	NO	Output 2 Range	NO	Aux. Power
A	Dry contact	E	Magnetic pick-up (AC50mV~1.5V)	1	0~50Hz	C	1~5V	N	None	A	AC/DC 18~60V
B	Pulse(TTL)(5V)	R	SPECIFIED	2	0~1KHz	D	0~10V	D	0~10V	B	AC/DC 90~260V
C	Pulse(NPN)(12V)			3	0~10KHz	I	4~20mA	I	4~20mA		• Less 4VA for AC/DC input
D	Pulse(PNP)(12V)			9	SPECIFIED	R	SPECIFIED	R	SPECIFIED		

## 2.SPCIFICATION

- Measuring accuracy : 0.1% F.S. (TRMS)
- Count input type : Switch selectable current sourcing(NPN) or current sinking(PNP)
- Pulse input trigger levels : HI bias (CMOS) ( $V_{IH}=7.5V$ ,  $V_{IL}=5.5V$ )  
LO bias (TTL) ( $V_{IH}=3.7V$ ,  $V_{IL}=2.0V$ )
- Response time : <250ms (0-90%)
- Output drive capability : <10mA for voltage mode  
<10V for current mode
- Output ripple(p-p) : <0.1% F.S.
- Zero (offset) range :  $0 \sim \pm 5\%$  F.S.
- Span (scale) range :  $0 \sim \pm 10\%$  F.S.
- Sensor power supply : 12VDC $\pm 3\%$  (<50mA)
- Temp. coefficient : 100ppm/ $^{\circ}C$  (0~50 $^{\circ}C$ )
- Isolation : Input/Output1/Output2/Power/Case
- Insulation Resistance : >100M ohm with 500V DC
- Dielectric strength : 1.5KVac/1 min. (input/Output1/Output2/power)  
1200Vdc (input/Output1/Output2)
- Operating condition : 0~60 $^{\circ}C$  (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^{\circ}C$  (20 to 90% RH non-condensed)
- Construction : 35mm DIN rail (EN50022)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A  
EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN 55024:1998/A1:2001

## 3.TERMINAL CONNECTION



## 4.DIMENSION (unit:mm)

