



Model: TCFA-H Frequency current transmitter

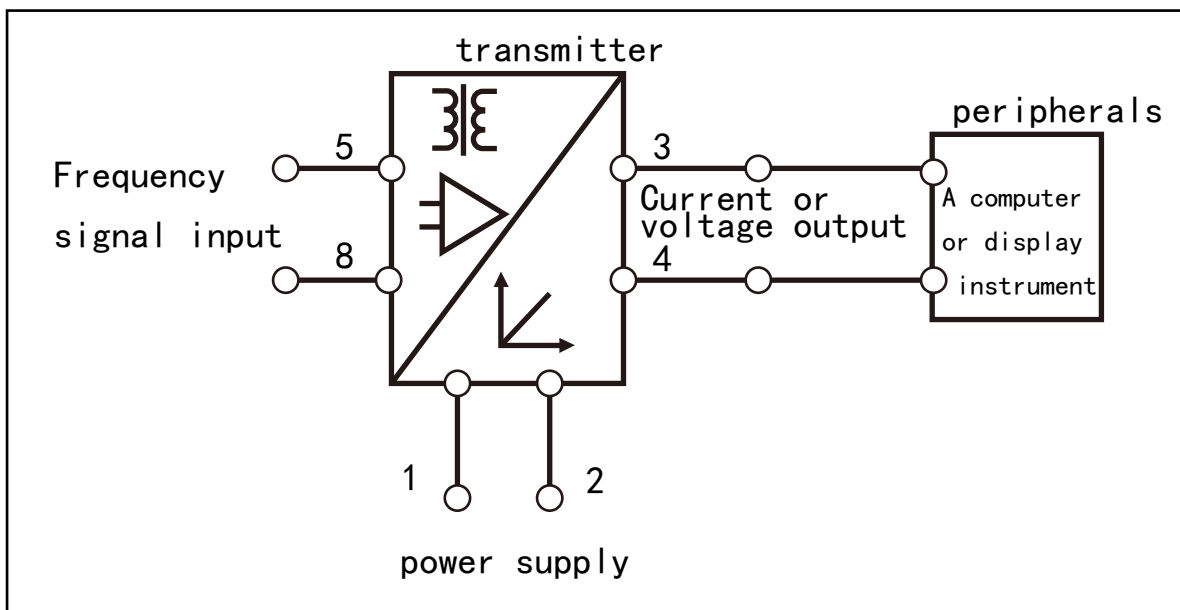
Model: TCFV-H Frequency voltage transmitter

## product application

### Product features

- Card rail installation (standard 35 mm)
- Analog output
- Input output isolation
- The working power supply is optional
- Frequency - voltage/current signal conversion
- The railway
- Metallurgical
- The robot
- Ac motor
- Variable frequency governor

Schematic diagram:



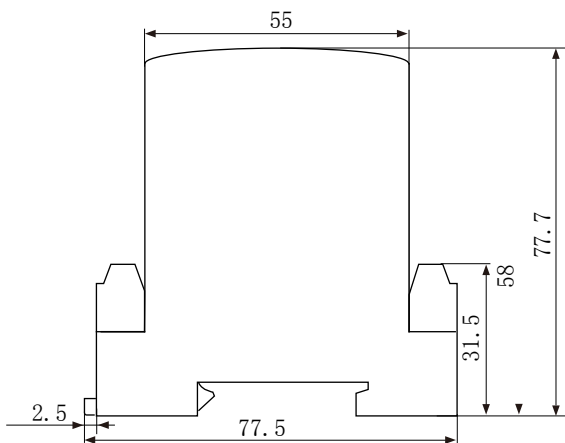
### Technical Parameters table

(The following parameters are typical values.  
be subject to the actual measurement of the product)

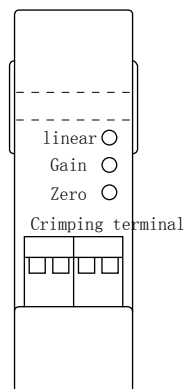
Rated detection frequency	50Hz	100Hz	400Hz	500Hz	1KHz	10KHz	*Can be customized
Frequency range	5%~120%						
Voltage sampling range	0~500V (r. m. s)						*Valid values
Output	0-20mA	4-20mA	0-5V	1-5V	0-10V		*Output one of five
Power supply	+12V/+24V DC						*Output either
Accuracy	0.5% (Current type output)			1% (Voltage type output)			
Current consumption	45mA						*Typical values
Weight	67g						
Working temperature	-20~+50°C						
Altitude	≤1000m						
Relative humidity	85%						
Flame retardant properties	Conform to theUL94-V0						
Dielectric strength	Input/output 2.5KV AC 5mA/1min						

**\*Please choose another model for 220V or 380V power supply**

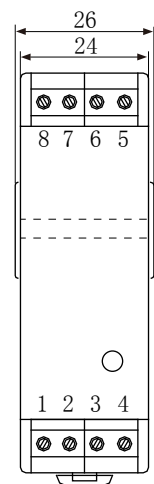
Outline size: (in:mm)



Front view

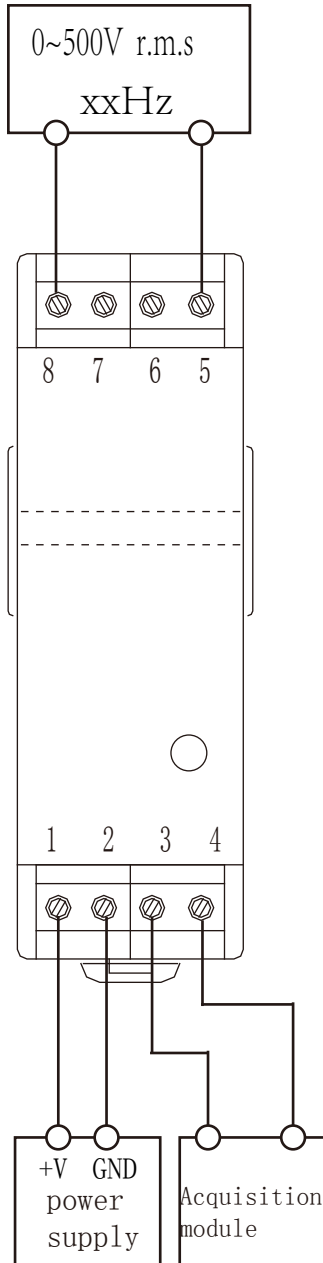


Side view



Top view

Standard product wiring diagram:



Terminal definition:

- 1: +V
- 2: GND
- 3: out
- 4: GND
- 5、8: input

※Detection:

- ①Choose the auxiliary power supply with small ripple ( $\leq 20\text{mV}$ )
- ②Switch on auxiliary power
- ③The auxiliary power is connected to the transmitter
- ④Transmitter detection frequency
- ⑤The two GND internals are not isolated

※Input: XX HzFrequency signal (amplitude: 0~500V r.m.s)

Output: Current type 0-500  $\Omega$  ( typical 250  $\Omega$  )

Voltage type  $\geq 10\text{K} \Omega$