

REVOLUTION—SPEED TRANSDUCER

GTP2 - □□□□

FREQUENCY PROPORTION TYPE

■ Use

Inputs from a tacho-generator installed on a dynamo or suchlike, and convert the input into a DC signal in proportion to the number of revolutions (frequency).

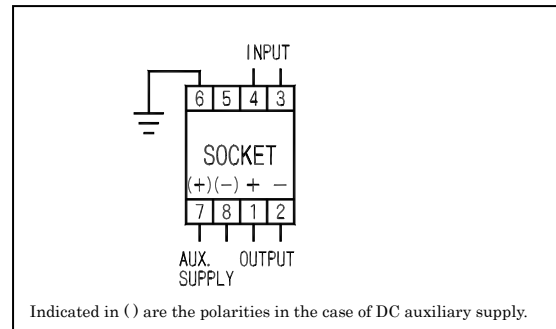


GTP2-H4F5
(80×50×121mm/450g)

■ Features

1. Constant voltage/current output
2. Withstand voltage between input, output, auxiliary supply and outer case (earth) is AC2, 000V (50/60Hz), complete insulation for 1 minute.
3. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and earth), and positive/negative polarity 3 times each is guaranteed.
4. With output line surge protection. (2, 000A, 8/20μs, positive/negative polarity), can transmit an output directly to a distant place.

■ Connection diagram



■ Specification

Kind of input	Response (99%)	Normal operating voltage range (input resistance)	Output	Auxiliary supply	Common specification	
A :0-33.3Hz	≅ 2sec.	1 : 1-25V (approx.25k Ω) 2 : 2-50V (approx.50k Ω) 3 : 5-110V (approx.110k Ω) 4 : 10-220V (approx.220k Ω) 0 : other than those above	1 : DC0-100mV (≧ 200 Ω)	1 : AC100V±10%, 50/60Hz 2 : AC110V±10%, 50/60Hz 3 : AC200V±10%, 50/60Hz 4 : AC220V±10%, 50/60Hz 5 : DC24V±10% 6 : DC48V±10% 0 : other than those above	Tolerance: ±0.5% Consumption VA: AC power source:1.5VA DC power source:3W Weight: AC power source:800g DC power source:450g	
B :0-40Hz			2 : DC0-1V (≧ 200 Ω)			
C :0-50Hz	≅ 1.5sec.		3 : DC0-5V (≧ 1k Ω)			
D :0-55Hz			4 : DC 0-10V (≧ 2k Ω)			
E :0-60Hz	≅ 1sec.		5 : DC1-5V (≧ 1k Ω)			5 : DC1-5V (≧ 1k Ω)
F :0-65Hz			A : DC0-1mA (≦ 10k Ω)			A : DC0-1mA (≦ 10k Ω)
G :0-66.6Hz		B : DC0-5mA (≦ 2k Ω)	B : DC0-5mA (≦ 2k Ω)			
H :0-100Hz		C : DC0-10mA (≦ 1k Ω)	C : DC0-10mA (≦ 1k Ω)			
I :0-120Hz	≅ 0.5sec.	D : DC0-16mA (≦ 600 Ω)	D : DC0-16mA (≦ 600 Ω)			
J :0-166.6Hz		E : DC1-5mA (≦ 3k Ω)	E : DC1-5mA (≦ 3k Ω)			
K :0-200Hz		F : DC4-20mA (≦ 750 Ω)	F : DC4-20mA (≦ 750 Ω)			
L :0-333.3Hz		0 : other than those above	0 : other than those above			
M :0-500Hz	-					
N :0-1kHz						
0 : other than those above						

●Open of current output: even if the current output terminal is used in a state of regular open, there is no problem. Also, a voltage of approx. 25V occurs on the output terminal.

●Cutoff power (dead band voltage)

At the time of zero revolution or a whit input, to prevent malfunction in normal mode caused by an induced voltage, it makes output equivalent to zero revolution as cutoff voltage when input is less than or equal to half of the minimum normal operating voltage. Specify the cutoff voltage if the induced voltage exceeds it, please.

●In the case of a special input waveform

Because this device does detection by a zero-cross point, use GVTP2 for a special input waveform such as an inverter.

■ Purchase specifications

