TIE0026 Series(No source)

High voltage coupler | Input DC:0±100kV,Output AC:0±300V,Measured ripple 10mV

- AC coupling bandwidth: 20Hz-20MHz
- Input voltage DC: 0±100kV
- Output voltage AC: 0±300V
- Measurable ripple: better than 10mV
- Attenuation ratio: 0.9@20Hz-50Hz; 0.985 @ 50 hz - 20 MHZ
- Input impedance: > 1GΩ
- Output impedance: 50Ω

Product Introduction:

The TIE0026 series of high-voltage couplers from Teslaman, commonly known as DC high-voltage ripple measuring instruments, can extract the AC component from DC high voltage through the principle of capacitor blocking DC and AC coupling. It can extract and output the corresponding 0±300VAC from a 100kV DC input. Due to the use of high-voltage metallized film capacitors and the matching of high-stability high-voltage resistors, ripple levels up to 10mV can be measured, and the measurement bandwidth range can reach 20Hz to 20MHz. It has been verified by multiple devices and FLUKE brand 3ppm eight-and-a-half-bit high-precision multimeters and Tektronix high-precision oscilloscopes. This enables the measurement reliability of this device to reach 99.99%.

Specifications:

Input voltage DC	DC:0±100kV.
Output voltage AC	AC:0±300V.
AC coupler band width	20Hz-20MHz.
Measured ripple	Better than 10mV.
Attenuation ratio	0.9@20Hz-50Hz;0.985@50Hz-20MHz.
Input Impedance	>1GΩ.
Output Impedance	50Ω.
Environmental	0℃ to +50℃.
Humidity	<80%.
Dimensions	W380mm,H145mm,D550mm.
Weight	47kg.
Accessories	BNC male to BNC male connector*1,ground wire*1,HV cable*2.

Description of Model Code

The model code represents the performance and parameters of the power supply, which are:

Maximum output voltage in kV;

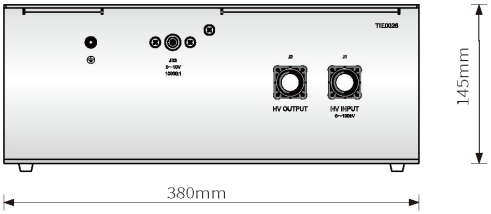
Output polarity, P for positive output, N for negative output; PN for bipolar

TIE0026	PN	100
Model	**Polarity**	**Maximum Voltage**

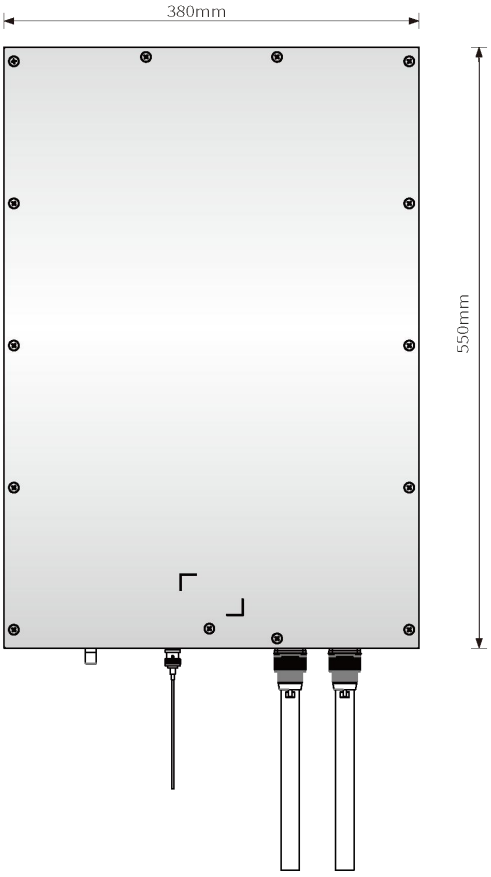
TIE0026 series model selection table:

Max. input kV	Model
100	TIE0026PN100

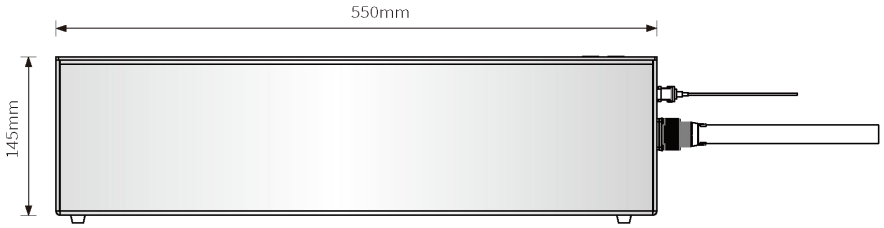
1Dimensions:mm



Front View



Side View



Top View