

## Capacitor voltage transformer



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### Product introduction:

Capacitor voltage transformer is mainly used in power frequency power system to meet the IEC/IEEE standard, outdoor rated voltage 40.5-1100kV, frequency 50/60Hz neutral point effective grounding system/neutral point non effective grounding system to provide voltage signals for electrical measuring instruments and protection and control devices, and also as coupling capacitor for power carrier communication system.

### Product features:

- It has excellent performance in suppressing ferromagnetic resonance. With a speed saturation damping device, it has fast transient response and can reliably damp ferromagnetic resonance. It can meet the test requirements of 320 times of ferromagnetic resonance under 0-1.5Un, and can effectively suppress ferromagnetic resonance within 10 cycles. The peak value of the secondary voltage of the product drops to 5% of the peak value of the secondary voltage before the short circuit within 0.02s.
- Capacitor voltage transformer has medium voltage switch function, which is convenient for on-site operation and maintenance.
- Porcelain bushing and flange are used for integral casting to reduce bolt connection, improve sealing performance and reduce the risk of oil leakage.
- It is easy to install and maintain. Phoenix Contact terminals are used to facilitate user wiring.
- The oil tank is of cast aluminum structure, which is free of rust after long-term use.

### Technical parameter

Type	Highest voltage (kV)	Capacitance (pF)	Rated frequency (Hz)	Power-frequency voltage(kV)	Lightning impulse voltage(BIL)(kV)	Rated burden(VA)
TYD 40.5	40.5	10000-20000	50/60	95	200	IEC: 10/30/50/75/100/120/ 150/200/300 IEEE: 0.15Y/0.15MWXYZ/0.3MWXYZ/ 0.6MWXYZ/0.6ZZ/1.2ZZ
TYD 72.5	72.5	10000-20000	50/60	160	350	
TYD 110/126	126	10000-20000	50/60	230	550	
TYD 145	145	10000-20000	50/60	275	650	
TYD 170	170	4000-10000	50/60	325	750	
TYD 245	252	5000-10000	50/60	460	1050	
TYD 300	300	5000-10000	50/60	460	1050	
TYD 363	363	5000-10000	50/60	510	1175	
TYD 420	420	5000-10000	50/60	630	1425	
TYD 550	550	5000-10000	50/60	740	1675	
TYD 765	765	5000-10000	50/60	975	2100	
TYD 1100	1100	5000-10000	50/60	1200	2400	

### Technical parameter

Type	Rated voltage factor	Total weight (kg)	Limit output (VA)	Dimensions		
				A(mm)	T(mm)	H(mm)
TYD 40.5	1.2 times/Continuous, 1.9 times/30s	315	1000	400	1394±20	1424±20
TYD 72.5		390	1000	400	1693±20	1669±20
TYD 110/126	1.2 times/Continuous, 1.5 times/30s	400	1000	400	2015±20	2045±20
TYD 145		430	1000	400	2414±20	2444±20
TYD 170		650	1000	400	2714±20	2744±20
TYD 245		760	1000	400	3350±20	3380±20
TYD 300		760	1000	400	4049±20	4079±20
TYD 363		900	1000	400	4936±20	4966±20
TYD 420		1200	1000	400	5643±20	5673±20
TYD 550		1200	1000	400	6333±20	6363±20
TYD 765		4000	1000	670	10755±20	10785±20
TYD 1100		6620	1000	670	13832±20	13862±20

Remark: Approximate dimensions and weights for special requirements, please consult us.