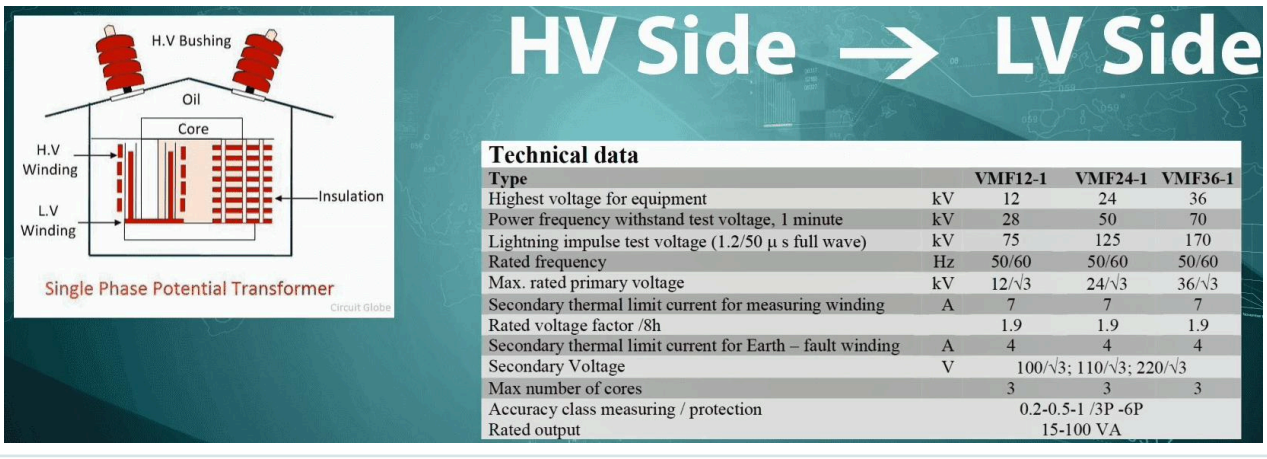
Kapasitif Gerilim Transformatörleri

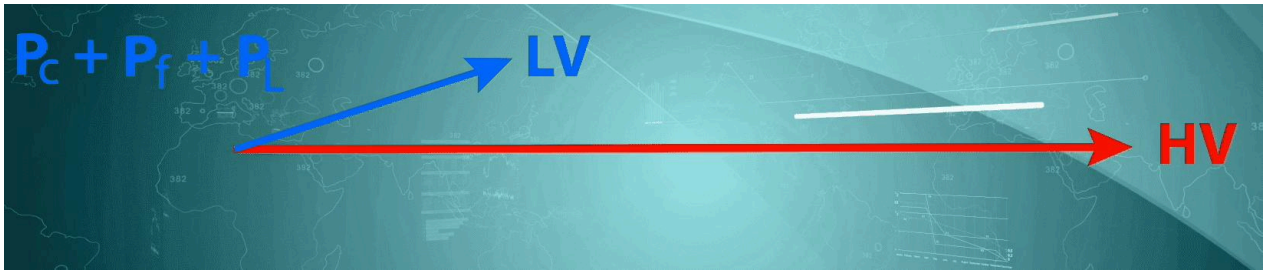
Kategory	**tester**
Bölüm	**Kapasitif Gerilim Trafosu**
Dil	**Türkçe**
Oluşturuldu	**2026-11-04**



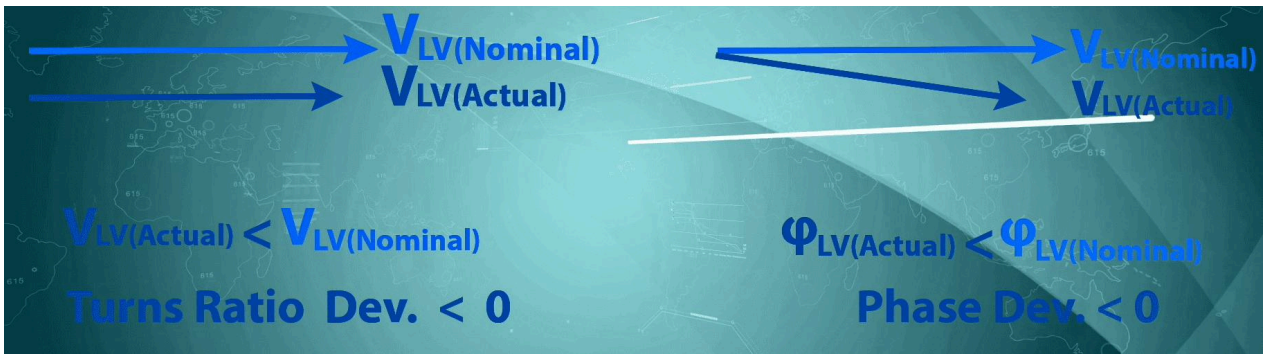
Technical data

Type		VMF12-1	VMF24-1	VMF36-1
Highest voltage for equipment	kV	12	24	36
Power frequency withstand test voltage, 1 minute	kV	28	50	70
Lightning impulse test voltage (1.2/50 μ s full wave)	kV	75	125	170
Rated frequency	Hz	50/60	50/60	50/60
Max. rated primary voltage	kV	12/√3	24/√3	36/√3
Secondary thermal limit current for measuring winding	A	7	7	7
Rated voltage factor /8h		1.9	1.9	1.9
Secondary thermal limit current for Earth – fault winding	A	4	4	4
Secondary Voltage	V	100/√3; 110/√3; 220/√3		
Max number of cores		3	3	3
Accuracy class measuring / protection		0.2-0.5-1 /3P -6P		
Rated output		15-100 VA		

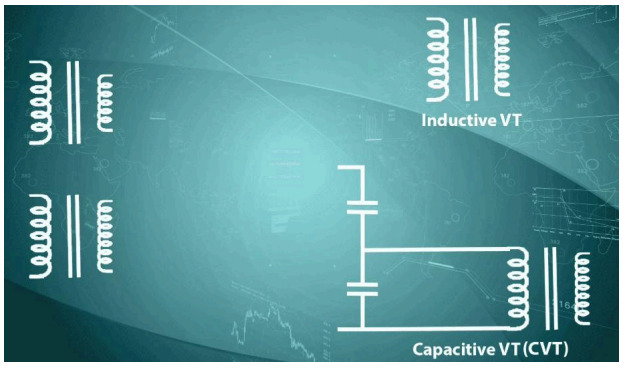
Şekil 1



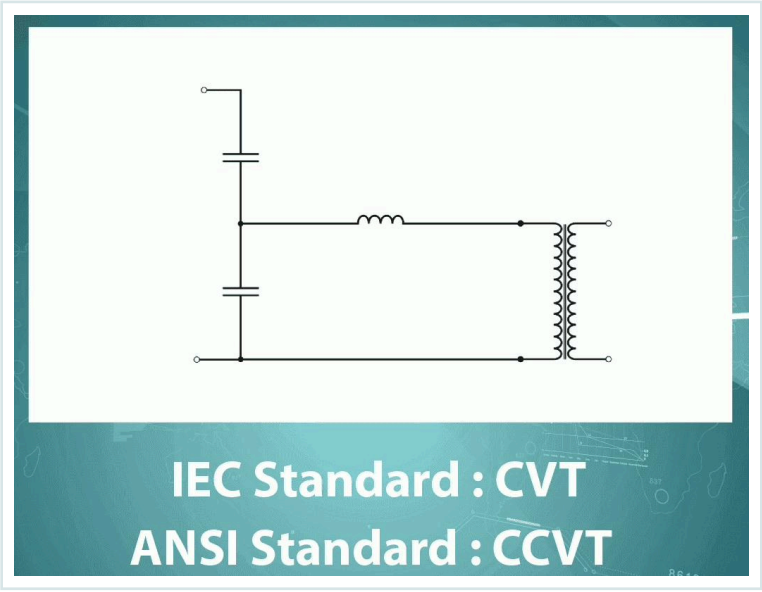
Şekil 2



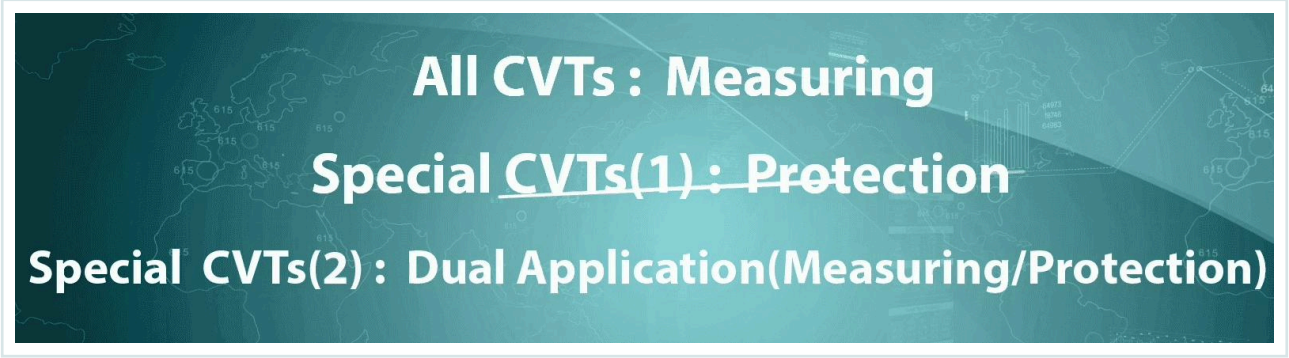
Şekil 3



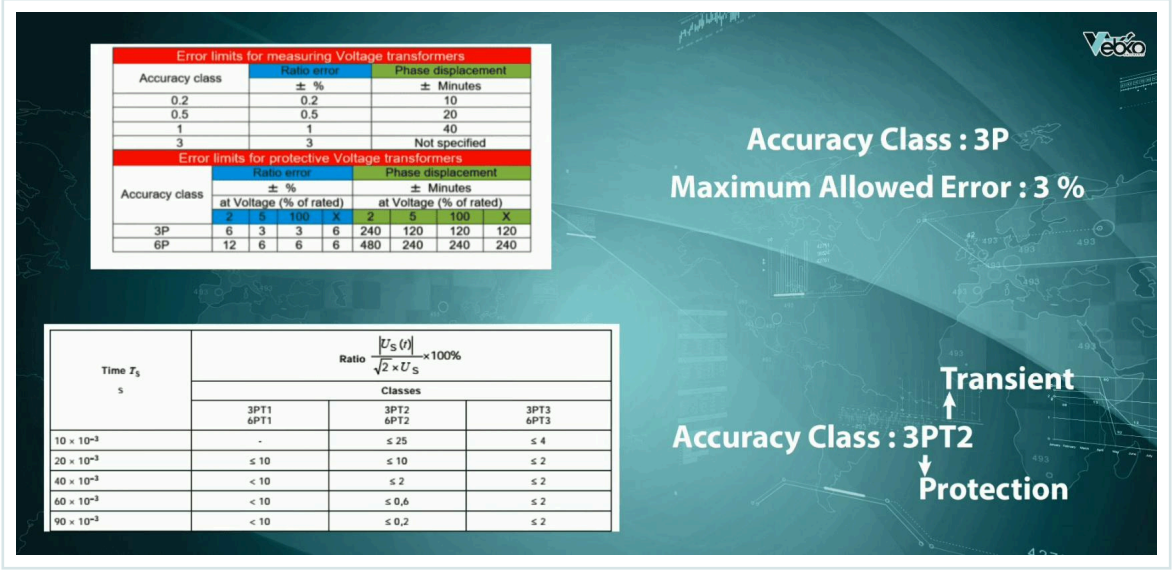
Şekil 4



Şekil 5



Şekil 6



Error limits for measuring Voltage transformers		
Accuracy class	Ratio error ± %	Phase displacement ± Minutes
0.2	0.2	10
0.5	0.5	20
1	1	40
3	3	Not specified

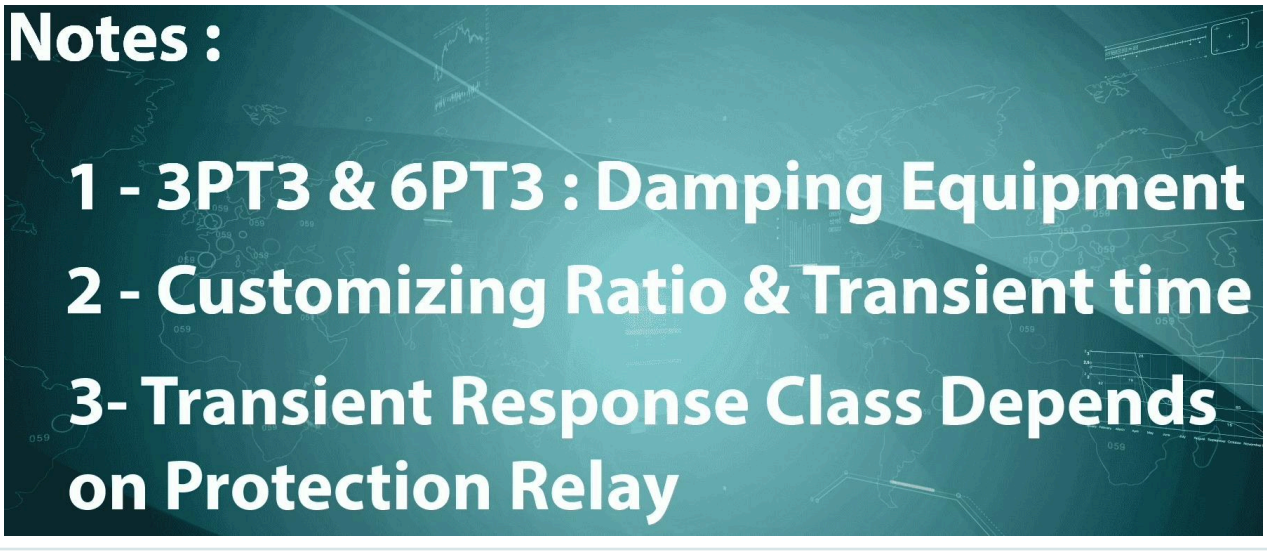
Error limits for protective Voltage transformers								
Accuracy class	Ratio error ± % at Voltage (% of rated)				Phase displacement ± Minutes at Voltage (% of rated)			
	2	5	100	X	2	5	100	X
3P	6	3	3	6	240	120	120	120
6P	12	6	6	6	480	240	240	240

Time T_s s	Ratio $\frac{\lvert U_S(t)\rvert}{\sqrt{2}\times U_S}\times 100\%$ Classes		
	3PT1 6PT1	3PT2 6PT2	3PT3 6PT3
10×10^{-3}	-	≤ 25	≤ 4
20×10^{-3}	≤ 10	≤ 10	≤ 2
40×10^{-3}	< 10	≤ 2	≤ 2
60×10^{-3}	< 10	≤ 0,6	≤ 2
90×10^{-3}	< 10	≤ 0,2	≤ 2

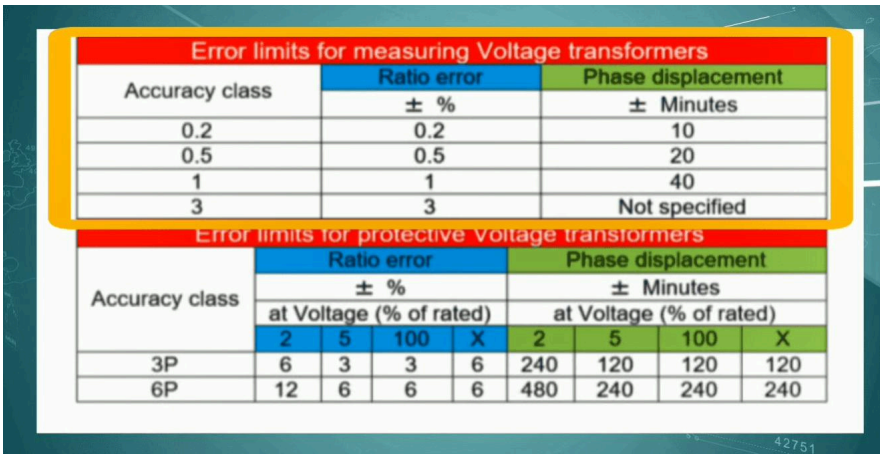
Şekil 7

Time T_S s	Ratio $\frac{\lvert U_S(t)\rvert}{\sqrt{2}\times U_S}\times 100\%$		
	Classes		
	3PT1 6PT1	3PT2 6PT2	3PT3 6PT3
10×10^{-3}	-	≤ 25	≤ 4
20×10^{-3}	≤ 10	≤ 10	≤ 2
40×10^{-3}	< 10	≤ 2	≤ 2
60×10^{-3}	< 10	≤ 0,6	≤ 2
90×10^{-3}	< 10	≤ 0,2	≤ 2

Şekil 8



Şekil 9



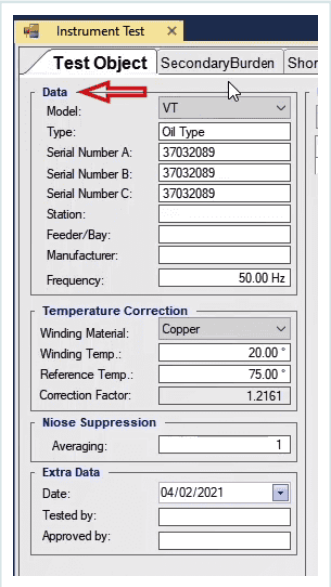
Error limits for measuring Voltage transformers

Accuracy class	Ratio error ± %	Phase displacement ± Minutes
0.2	0.2	10
0.5	0.5	20
1	1	40
3	3	Not specified

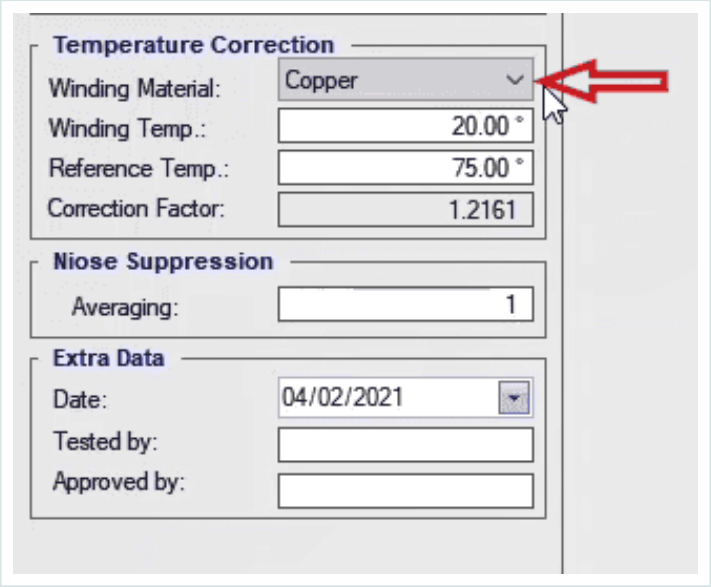
Error limits for protective voltage transformers

Accuracy class	Ratio error ± % at Voltage (% of rated)				Phase displacement ± Minutes at Voltage (% of rated)			
	2	5	100	X	2	5	100	X
3P	6	3	3	6	240	120	120	120
6P	12	6	6	6	480	240	240	240

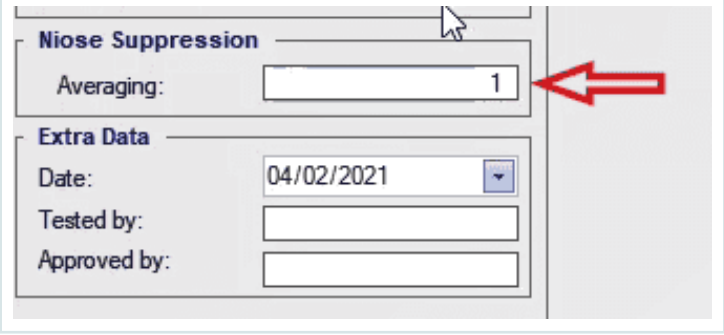
Şekil 10



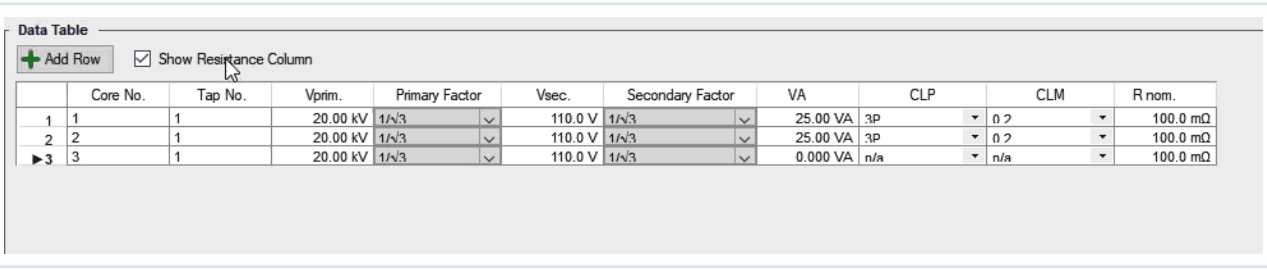
Şekil 11



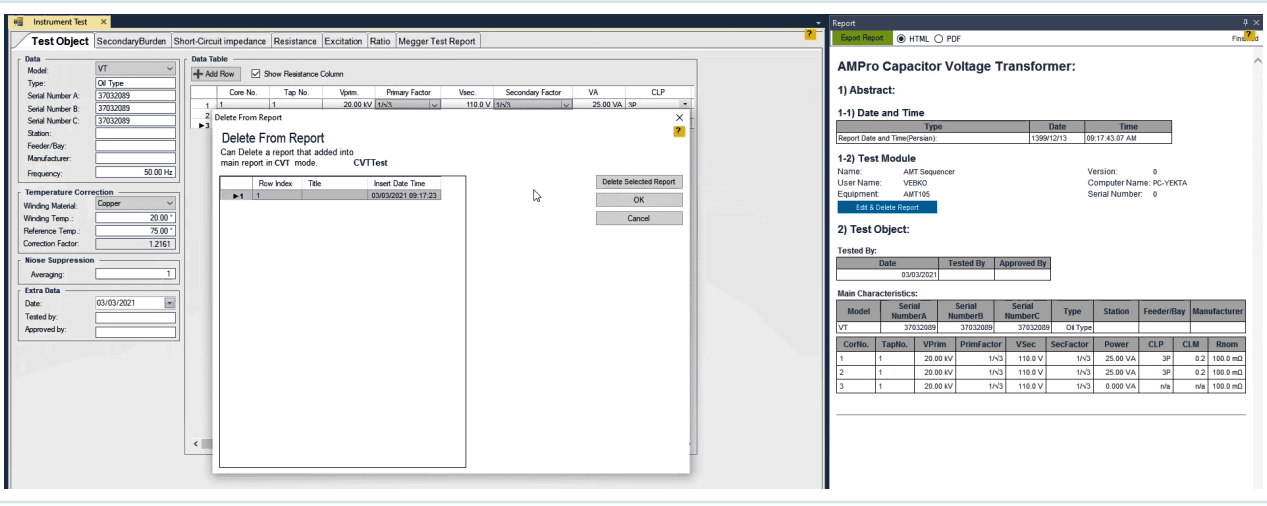
Şekil 12



Şekil 13



Şekil 14



Şekil 15