

Voltage Transducer CV4A-50..2000V

Applicable to isolated precise measurement of AC, DC and impulse voltages.

Performance data

Primary nominal r.m.s. voltage(V):	50	125	150	250	500	750	1000	1250	1500	2000
Primary voltage, measuring range(V):	0~±75	0~±187.5	0~±225	0~±375	0~±750	0~±1125	0~±1500	0~±1875	0~±2250	0~±3000
AC isolation test(kVrms/50Hz/1min):	3.3	3.3	3.3	3.3	3.3	4.3	5.5	6	6	6
Measuring resistance		R_{Mmin}	R_{Mmax}							
with ±11.4V		0Ω	47Ω							
with ±22.8V		0Ω	184Ω							
Secondary nominal r.m.s. current										50mA rms
Supply voltage (± 5 %)										±12V~±24V
Current consumption										50mA + Is
Accuracy @ V_{PN} ,		$T_A=25^{\circ}C$:								±0.7%
		$T_A=-25^{\circ}C\sim+70^{\circ}C$:								±1.5%
		$T_A=-40^{\circ}C\sim+85^{\circ}C$:								±1.7%
Linearity @ V_{PN} ,		$T_A=+25^{\circ}C$:								±0.1%
Offset current @ $T_A=25^{\circ}C, V_p=0$										±0.15mA
Response time @ 10 % of V_{Pmax} :										10us~13us
Frequency bandwidth (-3dB):										DC..13kHz
Ambient operating temperature										-40°C~+85°C
Ambient storage temperature										-50°C~+90°C
Mass										450g



Dimensions & connections

