

Voltage Transducer CV100-1000..2000V/SP5

For the electronic measurement of voltages : DC, AC, pulsed..., with a galvanic isolation between the primary circuit (high voltage) and the secondary circuit (electronic circuit).

Performance data

Primary nominal r.m.s. voltage	1000. . 2000	V
Primary voltage, measuring range	0~1.5U _N	V
Secondary nominal r.m.s. current	50	mA
Supply voltage (± 5 %)	± 12..± 24	V
Current consumption	15 +Is	mA
R.m.s. voltage for AC isolation test	6~9	kV/ 50Hz/1 mn
Accuracy @V _{PN} , T _A =25°C	±0.7%	
Linearity	±0.1%	
Offset current @ T _A =25°C, V _P =0	±0.2	mA
Thermal drift @0°C..+70°C	±0.2	mA
Response time @ 90 % of V _{PN}	≤65~75	μS
Ambient operating temperature	-25~+85	°C
Ambient storage temperature	-40~+90	°C
Secondary coil resistance @ T _A =70°C	60	Ω
Mass	600	g

Dimensions & connections

