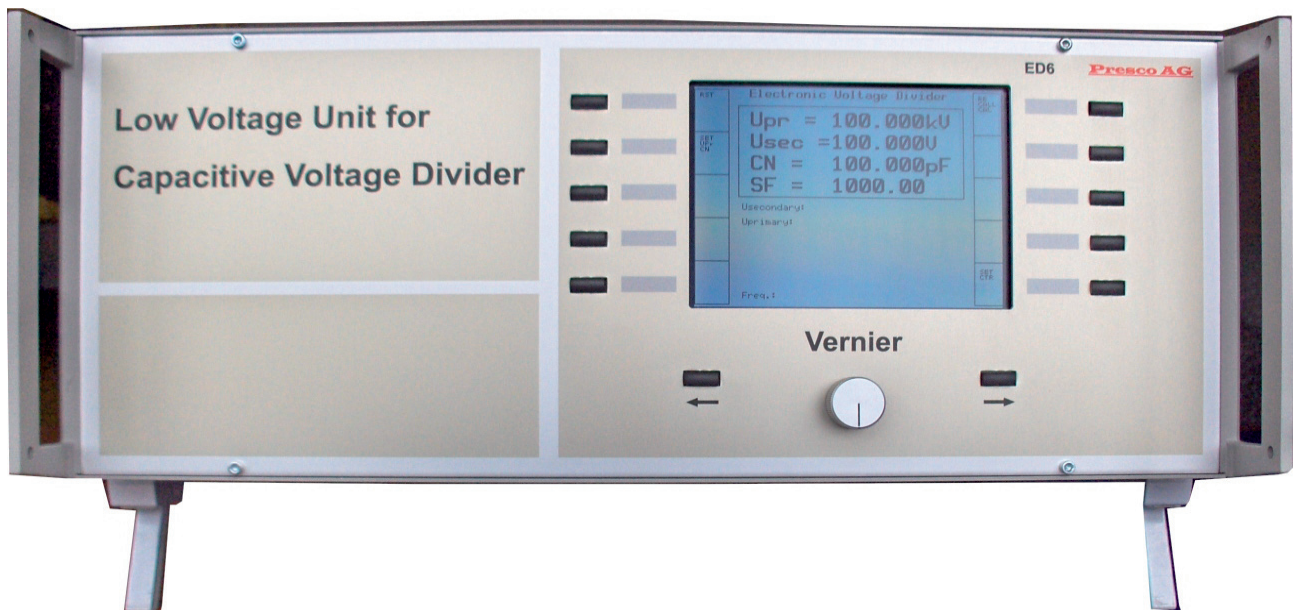


Low Voltage Unit for Capacitive Standard Divider

ED-00CR



- This instrument together with a compressed gas capacitor replaces Standard Potential Transformers
- low weight
- broad range of division ratios: 5 digit resolution
- remote control and data transfer via RS232 interface
- used with a standard gas capacitor

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Specifications

Low Voltage Unit for Capacitive Standard Divider

Type ED-00CR

Input current range	0.1...30 mA
Input impedance	approx. 5 Ω
Setting of the nominal value for high voltage	1 kV ... 999.99 kV
Resolution of high voltage setting	5 decades
Setting of value of standard capacitor	10 ... 9999.99 pF
Output voltage nominal	100 V
Output voltage maximal	120 V
Output power @ 100 V	5 VA (2 k Ω = 0.5 mS)
Frequency	50 / 60 Hz
Uncertainty of Transfer Factor	± 200 ppm @ 0.1 ... 1.2 U _{pN}
Uncertainty of phase	± 200 μ rad @ 0.1 ... 1.2 U _{pN}
Uncertainty of primary and secondary voltage measurement	$\pm 3\%$
Burden Factor	2.5 ppm/mA @ 100V output

Reference Conditions

Temperature	23° C \pm 2° C
Humidity	45 ... 75 %
Air Pressure	101.3 kPa
Temperature dependency	± 25 ppm/K

Rated range of use

according to Standard IEC 359

Temperature	5° C ... 40° C
Humidity, not condensing	10 ... 90 %
Air Pressure	70 ... 106 kPa
Dimensions	W500 x D470 x H192 mm
Weight	~ 12 kg
Power mains	115 / 230V 50/60 Hz 240 VA

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