



## Technical data

### High-voltage output

U/f	THD	I	S <sub>max</sub>	t <sub>max</sub>
0 ... 12 kV AC	< 2 %	300 mA	3600 VA	> 2 min
		100 mA	1200 VA	> 60 min
0 ... 15 kV AC	< 2%	300 mA	4500 VA	> 2 min
		100 mA	1500 VA	> 60 min

### Capacitance Cp (equivalent parallel circuit)

Range	Typical accuracy <sup>1</sup>	Conditions
1 pF ... 3 μF	Error < 0.05 % of reading + 0.1 pF	I <sub>x</sub> < 8 mA, V <sub>test</sub> = 2 kV ... 10 kV
1 pF ... 3 μF	Error < 0.2 % of reading	I <sub>x</sub> > 8 mA, V <sub>test</sub> = 2 kV ... 10 kV

### Power factor (cos φ) / Dissipation factor (tan δ)

Range	Typical accuracy <sup>1</sup>	Conditions
0 ... 10 % (capacitive)	Error < 0.1 % of reading + 0.005 %	f = 45 Hz ... 70 Hz I < 8 mA V <sub>test</sub> = 2 kV ... 10 kV
0 ... 100 % (cos φ)	Error < 0.5 % of reading + 0.02 %	V <sub>test</sub> = 2 kV... 10 kV
0 ... 10000 % (tan δ)	Error < 0.5 % of reading + 0.02 %	V <sub>test</sub> = 2 kV... 10 kV

### Power supply

Single-phase, nominal <sup>2</sup>	100 V AC ... 240 V AC, 16 A
Frequency, nominal	50 Hz / 60 Hz
Power consumption	< 3500 VA (< 7000 VA for a time < 10 s)
PC Interface	Ethernet and USB stick

### Mechanical data

#### CPC 80

Dimensions (W x H x D) 468 x 394 x 233 mm (without handles) / 18.4 x 15.5 x 9.2 in (without handles)

Weight 18 kg / 40 lbs

#### CP TD12/15

Dimensions (W x H x D) 450 x 330 x 220 mm / 17.7 x 13 x 8.7 in

Weight CP TD12 23 kg / 51 lbs

Weight CP TD15 24 kg / 53 lbs

### Environmental conditions

Operating temperature -10 °C ... +55 °C / +14 °F ... +131 °F

Storage temperature -20 °C ... +70 °C / -4 °F ... +158 °F

Humidity range 5 % ... 95 % relative humidity, no condensation

<sup>1</sup> Means "typical accuracy"; at typical temperatures of 23 °C ± 5 K; 98 % of all units have an accuracy which is better than specified

<sup>2</sup> There are power restrictions for mains voltages below 190 V AC

## Ordering information

	Ordering no.	Description
CPC 80 + CP TD12 test system	VE000631	1 × CP TD12 high-voltage unit including cables, leads, clamps 1 × CPC 80 control unit including cables, leads, clamps 1 × Software for PC and CPC 80 control unit including test templates and user manual 2 × Transport cases
CPC 80 + CP TD15 test system	VE000634	1 × CP TD15 high-voltage unit including cables, leads, clamps 1 × CPC 80 control unit including cables, leads, clamps 1 × Software for PC and CPC 80 control unit including test templates and user manual 2 × Transport cases
PTM Advanced software license	VESM0703	License for PC software upgrade adding guided workflow, customized test plans, automatic assessment, graphical comparison and trending
SAA2 Warning lamp set – standard package	VEHZ0718	1 × SAA2 control unit 1 × Signal lamp 1 × Transport case for 4 signal lamps