

4 Technical Data

4.1 Specifications

Table 4-1 Specifications

Characteristic	Rating
AC Input / V1 AC Output	max. 300 Veff
DC Input	max. 6 A DC
Transformer High and Low Voltage connections	max. 300 Veff between all connectors and ground
Tap Changer	Two potential-free contacts, short circuit-protected; 0-240 V AC (only AC permitted); Overvoltage Category II; Resistance per contact = max. 4 Ω I continuous = 0.9 A rms
Supply	Via serial interface from <i>CPC 100</i> (+15 V)
Overvoltage protection to case with surge arrestors	All connections to Tranformer High and Low voltage side; AC/DC Input; V1 AC / V DC Output

4.2 Environmental Conditions

4.2.1 Climate

Table 4-2 Climate

Climate	
Operating temperature	-10 ... +55 °C (+14 ... 131 °F)
Storage and transportation	-20 ... +70 °C (-4 ... 158 °F)
Max. altitude	2000 m
Humidity	5 ... 95% relative humidity; no condensation Tested according to IEC 68-2-78

4.2.2 Shock and Vibration

Table 4-3 Shock and Vibration

Dynamics	
Vibration	Tested according to IEC 60068-2-6; frequency range 10 ... 150 Hz; acceleration 2 g continuous (20 m/s ²); 20 cycles per axis
Shock	Tested according to IEC 60068-2-27 (operating mode); 15 g / 11 ms, half-sinusoid, 3 shocks in each axis

4.2.3 Mechanical Data

Table 4-4 Mechanical Data

Weight, Dimensions and Protection	
Weight <i>CP SB1</i>	3.5 kg (7.7 lbs)
Weight filled transport case	28.5 kg (62.7 lb)
Dimensions W x H x D <i>CP SB1</i>	357 x 235 x 111 mm (14.7 x 9.2 x 4.4")
Dimensions transport case	700 x 450 x 500 mm (27.6 x 17.7 x 19.7")
Housing and transport case	IP20 according to EN 60529

4.2.4 Cleaning

To clean the *CP SB1*, use a cloth dampened with isopropanol alcohol or water. Prior to cleaning, always disconnect the *CP SB1*.