

CT SB2

Technical Data



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OMICRON translates this manual from the source language English into a number of other languages. Any translation of this manual is done for local requirements, and in the event of a dispute between the English and a non-English version, the English version of this manual shall govern.

1 Technical data

1.1 Specifications

Table 1-1: *CT SB2* specifications

Characteristic	Rating
Mains connection	Connector according to IEC 60320
Mains voltage	100 ... 240 V _{AC} / 50/60 Hz / 0.2 A
Mains fuses	2 x T 2.0 AH 250 V (high-breaking capacity wire fuse 5 x 20 mm)
Output voltage	0 ... 120 V

1.2 PC and CTA interfaces

The **PC** interface of the *CT SB2* switch box is exclusively intended to connect the *CT SB2* switch box to a computer (e.g., running the *CT Analyzer Suite* software).

The **CTA** interface of the *CT SB2* switch box is exclusively intended to connect *CT SB2* to a *CT Analyzer* test set.

PC interface

9-pole SUB-D connector, female

Outside view onto the sockets on *CT SB2*!

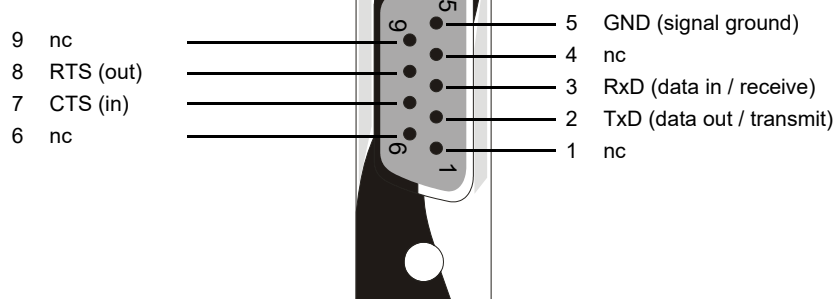


Figure 1-1: PC interface on *CT SB2*

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CTA interface

9-pole SUB-D connector, male

Outside view onto the pins on *CT SB2*!

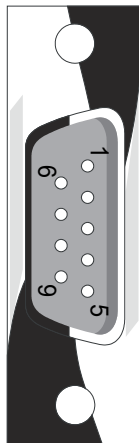


Figure 1-2: CTA interface on *CT SB2*

9-pole (DB9) null modem or crossover cable, 2 x female

Connections required:

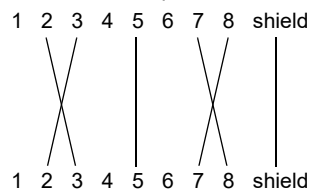


Figure 1-3: Connection cable *CT SB2* to *CT Analyzer*

1.3 Environmental conditions

Table 1-2: Environmental conditions

Characteristic	Rating
Operating temperature	−10 ... +50 °C (14 ... 122 °F)
Storage and transportation	−20 ... +70 °C (−4 ... 158 °F)
Max. altitude for operation	2000 m

1.4 Mechanical data

Table 1-3: Mechanical data

Characteristic	Rating
Weight	2.6 kg (5.7 lbs) without accessories
Dimensions W x H x D	285 x 68 x 225 mm (11.2 x 2.7 x 8.9")

1.5 Standards

Table 1-4: Standards

EMC, safety		
EMC	IEC/EN 61326-1 (industrial electromagnetic environment) FCC subpart B of part 15, class A	
Safety	IEC/EN/UL 61010-1	
Other		
Shock	IEC/EN 60068-2-27 (15 g/11 ms, half-sinusoid, 3 shocks in each axis)	
Vibration	IEC/EN 60068-2-6 (frequency range 10 Hz...150 Hz, acceleration 2 g continuous (20 m/s ² /65 ft/s ²), 20 cycles per axis)	
Humidity	IEC/EN 60068-2-78 (5 %...95 % relative humidity, no condensation), tested at 40 °C/104 °F for 48 hours	
Protection class	IP20 according to EN 60529	