

11 Interface Specification

11.1 RS232C interface

Each balance is equipped with an RS232C Interface as standard for the attachment of a peripheral device (e.g. printer or computer).

Schematic	Item	Specification
<p>The schematic shows a 9-pin female connector with the following connections: Pin 5: GND Pin 9: +12V (2nd display mode only) Pin 1: RxD (IN) Pin 6: TxD (OUT) Pin 2: CTS (IN) Pin 3: RTS (OUT)</p>	Interface type	Voltage interface according to EIA RS-232C/DIN66020 CCITT V24/V.28)
	Max. cable length	15 m
	Signal level	Outputs: +5 V ... +15 V (RL = 3–7 kΩ) –5 V ... –15 V (RL = 3–7 kΩ) Inputs: +3 V ... +25 V –3 V ... –25 V
	Connector	Sub-D, 9-pole, female
	Operating mode	Full duplex
	Transmission mode	Bit-serial, asynchronous
	Transmission code	ASCII
	Baud rates	600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 (software selectable)
	Bits/parity	7-bit/none, 7-bit/even, 7-bit/odd, 8-bit/none (software selectable)
	Stop bits	1 stop bit
	Handshake	None, XON/XOFF, RTS/CTS (software selectable)
	End-of-line	<CR><LF>, <CR>, <LF> (software selectable)
	Power supply for 2nd display	+ 12 V, max 40 mA (software selectable, 2nd display mode only)

11.2 USB host

Schematic	Item	Specification	
<p>The schematic shows a USB Type A connector with the following pin assignments: Pin 1: VBUS (+5 V DC) Pin 2: D- (Data -) Pin 3: D+ (Data +) Pin 4: GND (Ground) Shell: Shield</p>	Standard	In conformity with USB Specification Revision 1.0/1.1	
	Speed	Full speed 12 Mbps (requires shielded cable)	
	Power usage	Max. 500 mA	
	Connector	Type A	
	Pin assignment	1	VBUS (+5 V DC)
		2	D- (Data -)
		3	D+ (Data +)
	4	GND (Ground)	
	Shell	Shield	