


## Data Transmission and Exchange Protocol

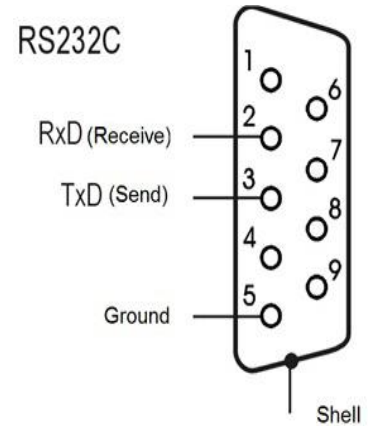
### Data Transmission (LONG):

Transmission Parameters: 8 bits, 1 stop bit, no parity, baud rate 4800bps,

### Exchange data:

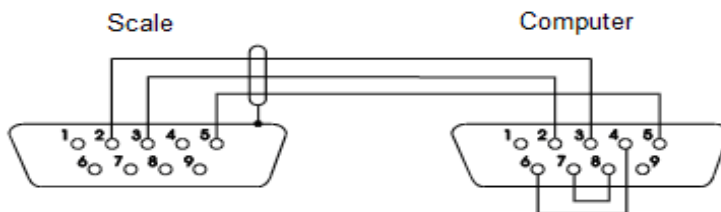
- Transmit the weight (equivalent to the Print Key, , in weighing):  
Computer→Scale: **S I CR LF** (53h 49h 0Dh 0Ah) – initiating signal,  
Scale→Computer: scale sends 16 Bytes of data as follows:

Byte	1	- The charater ‘-’ or space
Byte	2	- space
Bytes	3,4	- digit or space
Bytes	5-9	- digit, comma, or space
Byte	10	- digit
Byte	11	- space
Byte	12	- k, l, c, p or space (for kg,lb,ct,pc, or%)
Byte	13	- g, b, t, c or %
Byte	14	- space
Byte	15	- CR
Byte	16	- LF
- ‘Tare the weight’ (corresponds to the →T← key in weighing):  
Computer→Scale: **S T CR LF** (53h 54h 0Dh 0Ah),  
Scale→Computer: no response.
- ‘Zero the scale’ (corresponds to the key →0← in weighing):  
Computer→Scale: **S Z CR LF** (53h 5Ah 0Dh 0Ah),  
Scale→Computer: no reponse.
- ‘Turn On / Off the Scale (corresponds to the key I/⏻ in weighing):  
Computer→Scale: **S S CR LF** (53h 53h 0Dh 0Ah),  
Scale→Computer: no response.
- ‘Display the MENU’ (corresponds to the key *MENU* in weighing):  
Computer→Scale: **S F CR LF** (53h 46h 0Dh 0Ah),  
Scale→Computer: no response.
- Setting the threshold 1 (optional):  
Computer→Scale: **S L D1...DN CR LF** (53h 4Ch D1...DN 0Dh 0Ah)  
where: *D1...DN* – Threshold value, up to 8 characters,  
Scale→Computer: no response,



- Example:
  - To set 1000g in weight B1.5 (d=0.5g) type:  
S L 1 0 0 0 . 0 CR LF (53h 4Ch 31h 30h 30h 30h 2Eh 30h 0Dh 0Ah).
  - To set 100kg in weight B150 (d=50g) type:  
S L 1 0 0 . 0 0 CR LF (53h 4Ch 31h 30h 30h 2Eh 30h 30h 0Dh 0Ah),
- Setting the threshold 2 (optional):
  - Computer→Scale: **S H D1...DN** CR LF (53h 48h D1...DN 0Dh 0Ah),  
where: D1...DN – threshold value, up to 8 characters,
  - Scale→Computer: no response

**Cable WK-1 Configuration**



**Cable WD-1 Configuration**

