

## Commands for communication between computer and balances:

**PCE-AB / PCE-AB ... C / PCE-ABZ / PCE-LS / PCE-LS ... C / PCE ... PM /  
PCE-BT / PCE-TB / PCE-LSM / PCE-SD / PCE-TP / PCE-BD**

### 1. Enquiry for display of stable weight value

Command: **SI + CR + LF** (53h, 49h, 0 Dh, 0 Ah)  
Response: **<LONG>** (after establishing stable value)

Symbol	ASCII – Code, hexadecimal	ASCII – Code, decimal
S	53	83
I	49	73
CR (carriage return)	0D	13
LF (line feed)	0A	10

### 2. TARE command (-T-)

Command: **SZ + CR + LF** (53h, 54h, 0 Dh, 0 Ah)  
Response: **MT + CR + LF** (after taring)

### 3. ZERO command (-0-)

Command: **SZ + CR + LF** (53h, 5Ah, 0 Dh, 0 Ah)  
Response: **MZ + CR + LF** (after zero point)

### 4. Scale ON / OFF

Command: **SZ + CR + LF** (53h, 53h, 0 Dh, 0 Ah)  
Response: **MS + CR + LF**

### 5. Enquiry for current weight value

Command: **Sx1 + CR + LF**  
Response: **<LONG>**

### 6. Feed-in lower limit (MIN)

Command: **SL + <Weight> + CR + LF**  
Response: **ML + CR + LF**

### 7. Feed-in upper limit (MAX)

Command: **SL + <Weight> + CR + LF**  
Response: **MH + CR + LF**

### 8. Feed-in zero level

Command: **SM + <Weight> + CR + LF**  
Response: **MM + CR + LF**

### 9. Command for Print

Command: **SP + <Weight> + CR + LF**  
Response: **<print>**



For PCE-BT ... / PCE-TB ... / PCE-SD ... / PCE-ME 01 / PCE-BA ...

Print-out covers the whole print protocol of the scale (adjustable)

Data format:

1. Format <LONG> - 16 characters

<character> + <space> + <weight readout> + <space> + <weight unit> + CR + LF

By:

<character>	space (20h) or a “-“ symbol (2Dh),
<space>	space (20h)
<weight readout>	readout from display with or without « , » (depending on readout) arranged right side with ASC II Code an 8 characters
<weight unit>	indication of weight unit always with three symbols: “g”, “kg”, “mg”, “pcs”, “t”, “ct”, “lb”, “oz”, “ozt”, “gr”, “dwt”, “%”, “N”
CR	0Dh
LF	0Ah

2. Format of max. 16 characters

Indication of weight has a maximum length of 16 characters incl. weight unit (“g”, “kg” etc.), “+” or “-“ symbol and “.” (2Eh) or “,” (2Ch).

Byte 1	-	character “+” / ”-“ or backspace
Byte 2, 11 i 14	-	SPACE
Byte 3,4	-	figure (feed-in of weight) or SPACE
Byte 5÷9	-	figure (feed-in of weight), comma or space
Byte 10	-	figure (feed-in of weight)
Byte 12	-	k, l, c, p or space (weight unit)
Byte 13	-	g, b, t, c or % (weight unit)
Byte 15	-	CR (0Dh)
Byte 16	-	LF (0Ah)

Connection of RS-232 to Scale

