

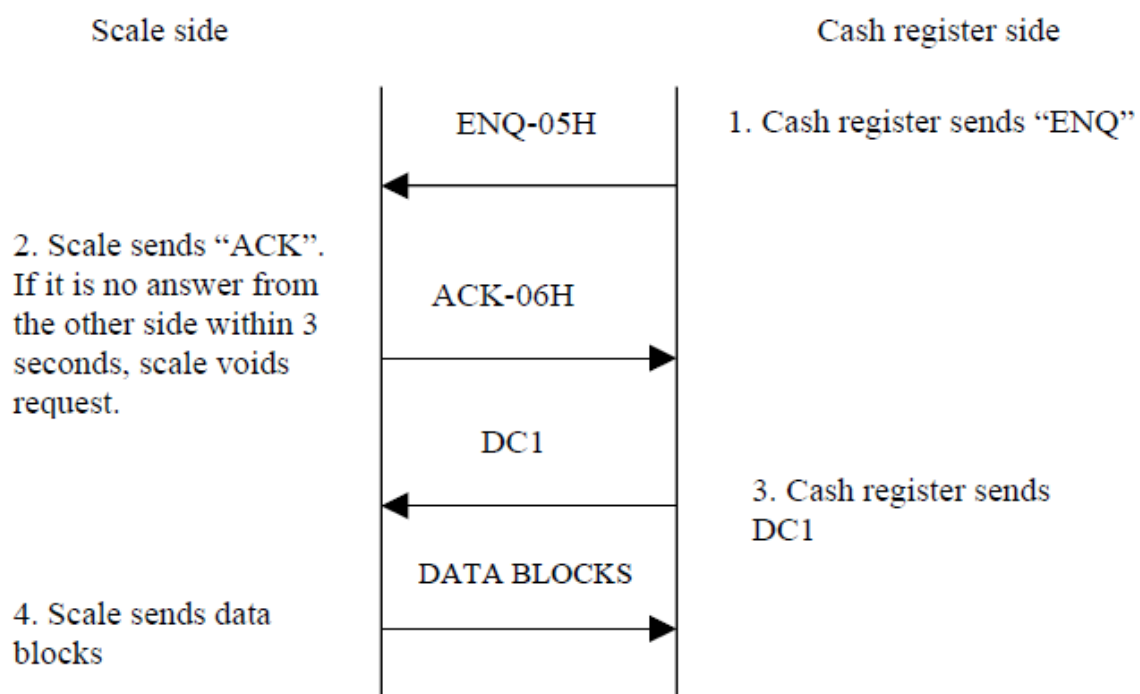
Description of communication protocols supported by scale S200

0. CAS protocol

1. The communication agreements

1. BAUD RATE -> 9600
 2. DATA BIT -> 8 BIT
 3. STOP BIT -> 1 BIT
 4. PARITY BIT -> NO
 6. DATA FORMAT -> ASCII
 7. THE COMMAND DEFINITIONS
- „ENQ“ -> 05H
„ACK“ -> 06H
„SOH“ -> 01H
„STX“ -> 02H
„ETX“ -> 03H
„EOT“ -> 04H
„DC1“ -> 11H

2. The communication protocol



1. ELICOM protocol

1. The communication agreements

BAUD RATE - 9600

DATA BIT - 8 BIT

STOP BIT - 1 BIT

PARITY BIT - NO

2. The communication protocol

PC

AA₍₁₆₎

Scale

No weight - BB₍₁₆₎

When weight is stable: 3 bytes + CKS

Example: 2,310kg = 00 23 10 33₍₁₆₎

Scale is zero with command: CC₍₁₆₎

2. Dibal Protocol

1. The communication agreements

BAUD RATE - 9600

DATA BIT - 8 BIT

STOP BIT - 1 BIT

PARITY BIT - NO

2. The communication protocol

PC STX

Scale ACK

PC @1PU4PU3PU2PU1PU0 CR LF (PU_n => digit price/kg

PC STX

Scale ACK

PC 10CR LF

Scale STX

PC ACK

Scale PD4PD3PD2PD1PD0 PU4PU3PU2PU1PU0 PX5PX4PX3PX2PX1PX0 0 CR LF

PD_n weight sent by the balance

PU_n digit price/kg sent by the balance

PX_n total digit price sent by the balance

NOTE: When scale is in the following modes: instability weight, zero weight, overload or "negative" weight. The transmission of messages for WEIGHT, PRICE/KG, PRICE TO PAY the scale will replace all characters PD_n, PU_n, PX_n by the character "X"

3. Mettler protocol

Commands

Each command end with <CR><LF>, where

<CR> = 0Dh

<LF> = 0Ah

The other part of the command is ASCII text

Command S – send stable weight value

Command S

Response: S S Weight value Kg

S I – command is not executable, the scale is busy

Example:

Command S

Response S S 0.360 Kg

Command SI – send weight value immediately regardless the stability

Command SI

Response: S S Weight value Kg - stable weight

S D Weight value Kg - unstable weight

S I – command is not executable, the scale is busy

Example:

Command SI

Response S D 0.360 Kg

Command SIR – send weight value immediately and repeat

Command SIR

Response: S S Weight value Kg - stable weight

S D Weight value Kg - unstable weight

S I – command is not executable, the scale is busy

Example:

Command SIR

Response S D 0.360 Kg

- SIR is overwritten by the commands S, SI

Command Z - Zero the scale

Command Z

Response: Z A – zero setting is performed

Z I – command is not executable, the scale is busy

Example:

Command Z

Response Z A

Command ZI – zero immediately

Command ZI- Zero the scale immediately regardless the stability

Response: ZI D – zero is performed under non-stable conditions

ZI S – zero is performed under stable conditions

Z I – command is not executable, the scale is busy

Example:

Command Z

Response Z A

4. DELMAC protocol

Note: This protocol is working on speed 1200 baud rate and scale baud settings from scale menu does not take affect

