Serial Communication Format Description

1. Transmit mode

   There has three transmit mode.1 is continuous mode.2 is stable mode.it means after weight value stable, transmit once. 3 is answer mode, it mean if supper computer send command, the scale will post back date according to the different command.

   Data format for continuous mode

S	T	,	N	T	,		1	2	3	4	.	5	6		k	g	CR	LF
Header1			Header2			Data（8 digits in length）									Unit		0D 0A	

Header1				Header2			
S	T	,	STABLE	N	T	,	NET
U	S	,	UNSTABLE	G	S	,	GROSS
O	V	,	OVERWEIGHT	T	R	,	TARE

   Weight date is ASCII code, may show follow words:

   " 0 " ~ " 9 " ----numbers

   " " ----- blank

   " . "-----Point

   " - " -----negative sign

   If it is answer mode, and the PC send address message, the back date of the scale will add "@XX" in the front, XX is detailed address. For example, address 2, send "@02".

2. Answer mode

   From PC

R	T	CR	LF
Header		13	10

Header(order)			HEX
R	N	Read net weight	52 4E
	G	Read Gross weight	52 54
	T	Read Tare weight	52 47
	C	Read ad code	52 43
	U	Read unit weight(counting scale)	52 55
	Q	Read quantity(counting scale)	52 51
S	Z	Zero	53 5A
	T	Tare	53 54
	U	Change Unit	53 55

   If connect many scale, user can add address in the front of Oder, format is @XX, XX is address information. For example, visit address 2, add "@02".

   If user set check code in the scale, there have 2 character in front of CR and LF, they are Xor check code. The Xor check code run Xor counting for characters except CR and LF. And change the high 4 bit and low 4 bit to characters of the result. For example, the high 4 bit is 1,then change to

the character "1".the high 4 bit is 15,then change to the character "E".

Note: The value of CR is 0D,the character is '\r'. The value of LF is 0A,the character is '\n'.

In serial communication mode setting(IN SCALE SETTING: P2 TRA FC),1234 all compatible with PC command. Mode 1(continue sending mode) and 2,4 just support 3 command with S beginning, 3 support all command.