P2976 – Protocol

1. The readout weight data

Send command:

Prefix (1byte)	Command (1byte)	And parity (1byte)
B0H	**31H**	**E1H**

(1) and the parity : The parity bit checksum previous data , retaining the low 8 bits of data .

Acknowledge command:

Prefix (1byte)	product number (1byte)	Electronic scale units (1byte)	Electronic Scale Weight (4byte)	And parity (1byte)
B0H	**A1H**	**00H**	**00H, 00H, 00H, 00H**	**51H**

(1) product number: a hexadecimal number A1H.

(2) Electronic Scale units : 0 = mg (milligrams); 1 = g (g); 2 = kg (kilograms); 3 = T (t) ;

(3) electronic scales Weight: 32-bit binary number is composed of four -byte integer , high in the front. Output Weight (unit) = electronic scale weight data (units) / 100 ;

Note : The correct response to the above command is received instruction ; receive the proper instruction sent , does not respond to any commands.

2. CH1 channel data readout

Send command:

Prefix (1byte)	Command (1byte)	And parity (1byte)
B0H	**32H**	**E2H**

(1) and the parity : The parity bit checksum previous data , retaining the low 8 bits of data .

Acknowledge command:

Prefix (1byte)	Electronic scale CH1 channel ADC data (4byte)	And parity (1byte)
B0H	**00H, 00H, 00H, 00H**	**E2H**

(1) Electronic Scale CH1 channel ADC data: 32-bit binary number is composed of four bytes long integer , high in the front.

Note : The correct response to the above command is received instruction ; receive the proper instruction sent , does not respond to any commands.

3. Write zero calibration

Prefix (1byte)	Command (1byte)	And parity (1byte)
B0H	**33H**	**E3H**

Zero calibration: Electronic scales weighing no matter placed before the measured data .

(1) And the parity : The parity bit checksum previous data , retaining the low 8 bits of data .

Acknowledge command:

Prefix (1byte)	Command (1byte)	And parity (1byte)
B0H	**33H**	**E3H**

Note : The correct response to the above command is received instruction ; receive the proper instruction sent , does not respond to any commands.

4. Written law code calibration

Send command:

Prefix (1byte)	Command (1byte)	electronic scales calibrated units (1byte)	electronic scale calibration weight (4byte)	and parity (1byte)
B0H	**34H**	**00H**	**00H,00H,00H,00H**	**54H**

Law code calibration: electronic scales measure into law code after the data is to be written law code and unit weight .

(1) Electronic Scale calibration units :

0 = mg (milligrams); 1 = g (g); 2 = kg (kilograms); 3 = T (t) ;

(2) Electronic scale calibration weight : from 32 binary number composed of four -byte integer , high in the front.

(3) and parity : The parity bit checksum data front , the lower 8 bits of data retention .

Acknowledge command:

Prefix (1byte)	Command (1byte)	And parity (1byte)
B0H	**34H**	**54H**

Note : The correct response to the above command is received instruction ; receive the proper instruction sent , does not respond to any commands.