The HB-8218 dynamic weighing controller is designed for high speed packing scale and batching weighing control systems. Its especially for hi-speed dynamic weighing control system. Such as high speed packing scale, filling machine, container bag packing, which the performance not only accurate but high speed.

This product measures and controls various kinds of functions needed to design for the automatic batching specially. rigid, simple and compact size design is especially suitable for the various packer , single or multiple batching control system application. It is very easy to controls independently or links use with PLC or control with the computer system. Its control panel includes the keypad, annunciator LED, instant weight data display and all of the setting data.

No doubt, Holbright has over 30years experiences for design in industrial field to guarantee HB8218 perfect performance.

Technical Specification

Input signal and A/D conversion:

Input sensitivity	0.3 μ v/d.
Conversion rate	200 times/sec.
Adjusting range of zero	0.1mv to 30 mv
Excitation voltage	12VDC,300mA. Can drive 8 (350 Ω) LOAD CELLS
Input impedance	10MΩ (min.)
A/D conversion method	$\Delta \Sigma$
A/D resolution	24 BITS (16,000,000) internal counts.
Coefficient of temperature	Zero point. 0.2 μ v /°C RTI. Span.: 15ppm /°C

Digital section:

6 digits, LED,character high 0.52 " (13.2mmH).

Presetted weight : (a)The main cut-off (PRE 1): 3 digits.

(b)The dribble cut-off (PRE 2): 3 digits.

(c)Final weight (FULL): 6 digits.

(d)Free fall compensation (FREE FALL): 4 digits.

(e)Material number (CODE): 1digit.

Display range : 300~60000.

Under zero indication : Negative sign "-"

Over load indication : Input signal >30mv" ----- "

Interface:

(a)A RS-232 communication interface.

(b)I/O interface: D/I:13 points , D/O:13points .

Annunciators LED : center of Zero, tare, gross weight,net weight

,stable,SP1,SP2,SP3.

Input keys : 6 input keys.which Includes zero, tare, tare reset, gross / net weight,function, error ack.

5 input parameters setting key.

Include▲ UP, ▼ DOWN, SEL., ESC. ENTER keys.

The parameter setting includes being following;

Motion detector, zero tracking, decimal point, minimum graduation, max.capacity, digital filter , zero range, A/D conversion rate , the measurement unit , count by, material number is chosen, the main cut-off, the dribble cut-off, final weight and the free fall compensation.

Calibration: zero & span full digital calibration.

Application Ref.

Normal Batching

Multi-ingredient Batching

Mixing application