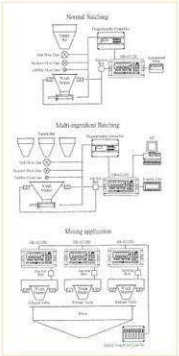
Multi-Functions / Multi-Ingredient Batch Weighing Controller

The HB-8212X1 Batching Controller is designed for Multi-Ingredient Batching Control and Loss-in-Weight Control Application.

High speed A/D conversion rate designed is suitable for most operational requirements, especially apply in dynamic weighing system such as packing scale, hopper scale, batching systems.

Flexible Operation - Versatile Control Programs are Built in Software Module

The HB-8212X1 is designed for flexible operation. They may be used for normal batching or loss in weighing batching. Both may be operated in either the Fully Automatic Mode or User Programmed mode.
Fully Automatic Mode allows the batching operation to be started and completed automatically without the intervention or assistance of an operator.
User Programmed Mode allows the operator to have some control of the batching process, such as manually adding ingredients during the operation, or manually starting a new batch.
In either case, the programmability of the HB-8212X1 allows the operator to enter settings that adjust the unit for almost any environmental factor. Additionally, Auto Zero Maintenance Automatic Free Fall compensation, and the comparator inhibitor Function.



SETPOINT MEMORIES

Up to 100 coded sets of setpoint values can be stored into memory, and easily recalled from the front panel, personal computer (via, serial interface), or PLC. The 100 coded memory information blocks (00 to 99)

contain :

- Final Weight
- Free Fall
- Preliminary
- Over and Under Weighing

TECHNICAL SPECIFICATIONS

	MODEL NO.	HB-8212 X1
INPUT AND A/D CONVERSION	Input Sensitivity	0.6 μ V/D ~ 120 μ V/D
	Zero adj. Range	0mV to 30mV
	Load Cell Excitation	12V DC, 280 mA (Voltage sensing)
	Input Impedance	10 MΩ (Min)
	A/D Conversion Method	ΔΣ
	A/D Resolution	1,000,000 Counts
	A/D Conversion Rate	100 times per second
DIGITAL SECTION	Weight Display	13mm, 7 digits high intensity cobalt-blue fluorescent tube
	Under Zero Indication	Negative " - " sign
	Over Load Indication	Input signal > 36mV " -------- "
	Annunciators	Center of ZERO, POWER, TARE, GROSS, NET, CODE, STABLE, FUNC. ※ In Function Setting
	Switches	0-9 Numeral key, ZERO, TARE, GROSS/NET, TARE RESET, CODE, FULL,PRE1, PRE2, F.F. OVER, UNDER, TARE, E.ACK, ESC, ENTER, FUNC. ※ In normal operating status.
	Digital Set-up Parameters	Motion Detection... 1.0D/1sec., 2.0D/1sec., 3.0D/1sec., 1D/0.5sec., 2D/0.5sec., 3D/0.5sec., 4D/0.5sec., 6D/0.5sec., 9D/0.5sec. Zero Tracking... No zero tracking, 0.5D/2sec., 0.5d/1sec., 1.0D/2sec., 1.0D/1sec., 1.5D/2sec., 1.5d/1sec., 2.0D/2sec., 2.0D/1sec., 3.0D/2sec. Decimal point... None or 1, 2, 3, or 4 decimal places Count by .... 1,2,5,10,20,50 Max. capacities ...10,000 counts x min. increment Digital filter ... None or 2,4,6,8,16,32 time of average. Zero range ... 2%, 5%, 25%, 100% of F.S. Conversion rate... 1/sec., 5/sec., 10/sec., 20/se ...etc. Unit ... kg, t, g, lb, oz
	Calibration (F.D.A.C)	Zero & Span full digital calibration
	Non - Linearity	±0.01% of full scale
GENERAL	Temp. coefficient	Zero... ±0.2 μ V RTI Span... ±15ppm/°C of reading
	Real Panel	Loadcell input ... 7 pin industrial circular connector Ext. control ... 9 pin D-type connector (Zero, Tare, Gross/Net, Print, WT/CN, Sensor Input)
	Power source (factory preset)	110, 220VAC ±10%, 50/60HZ
	Net Weight	2.5KG
	Operating Temperature	-10°C to +40°C (+14°F to +104°F)
	Operating Humidity	Max. 90% RH (Non-condensing)
	Physical Dimensions	202(W) x 105(H) x 152(D) m/m without loadcell connector 202(W) x 105(H) x 220(D) m/m with loadcell connector

Optional (02) RS-422/RS485 Driver/Receiver card for multi-units (HB-8212X1) link to P.C.