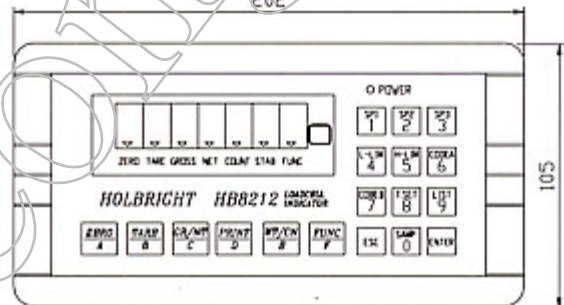


# HB-8212 CONTROLLER

## FEATURES

- Power fail protect circuit design.
- ‘Watch Dog’ circuit design.
- Humanize design easy simple operation. the HB-8212 is designed with complete system operations from a few simple keys.
- Full digital function setting, calibration and adjustment.
- Capable of driving up to 8 (350  $\Omega$  ) load cells (280mA).
- 32k Bytes Battery Backup memory for 5 data memorizing modes.
- Standard RS-232C Communication interface.
- Standard 4 inputs, 3 outputs external I/O signal interface.



## OPTIONS

- Second serial communication interface.
- RS-232/RS-422/RS-485 Driver/Receiver card.
- Centronics 8 bits parallel printer port interface.
- 4-20mA and 0-10VDC analog output interface.

## SPECIFICATIONS

INPUT AND A/D CONVERSION	
Input sensitivity	0.3 V/D
Zero adj. Range	0mV to 30 mV
Load cell excitation	12VDC, 280mA (Voltage sensing)
Input impedance	10M $\Omega$ (Min)
A/D conversion method	$\Delta \Sigma$
A/D resolution	1,000,000 Counts
A/D conversion rate	20 times per second
GENERAL	
Temp. coefficient	zero... 0.2 V RTI span... 5ppm/ $^{\circ}$ C of reading
Real panel	load cell 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 $^{\circ}$ C to + 40 $^{\circ}$ C (+14 $^{\circ}$ F to + 104 $^{\circ}$ F)
Operating Humidity	Max. 90% RH (Non-condensing)
Physical dimensions	202 (W) x 105(H) x 152(D) m/m without load cell connector 202 (W) x 105(H) x 220(D) m/m with load cell connector