

HB-8211 SERIES

The HB-8211 is designed for high accuracy, high speed weighing systems, which simple operation in common weighing application such as using in bench, platform, floor, truck scales which interface with P.C, P.L.C or independent application. A lot of options interface are available, such as RS-485 interface, 4-20 mA/0-10Vdc analog o/p, printer interface, B.C.D O/P interface, I/O interface. It can be matched each different functions and applications.

HB-8211 can certainly apply in hopper, silo weighing system or batching plant control system link with P.L.C.

HB-8211 has designed with the newest technology and the best quality. Its function, accuracy, performance and reliability is much better than many other indicators, however the price is the most competitive. HB-8211 is definitely a smart choice for you.

Technical Specification

INPUT AND A/D CONVERSION:

Input Sensitivity	0.3 μ V/D \sim 100 μ V/D
Zero adj. Range	0mV to 30mV
Load Cell Excitation	10VDC, 240mA (voltage sensing), drive 8 load Cell (350 Ω) in parallel.
Input Impedance	10M Ω (min.)
A/D Conversion Method	$\Delta \Sigma$
A/D Resolution	24 bits (16,000,000) counts.
Temp. coefficient	Zero... \pm 0.2 μ V/ $^{\circ}$ C RTI, Span... \pm 15ppm/ $^{\circ}$ C of reading

DIGITAL SECTION:

Weight Display	7 Segment LED Display Height 6 Digits, 0.52" (13.2mm)
Display Resolution	300 \sim 60000
Under Zero Indication	Negative "-" sign
Over Load Indication	Input signal > 30mV "-----"
Annunciators LED lamps	ϕ 3mm Red LEDs Zero, Tare, Gross, Net, Stab. Func
Switches	6 Input Keys Zero, Tare, Tare Reset, Gross/Net, Func, print, 0-9 numerical Keys.
Digital Set-up Parameters	Motion Detection, Zero Tracking, Decimal Point, Count by, Max. Capacities, Digital Filter, Zero Range, Conversion Rate, Unit.
Calibration (F.D.A.C.)	Zero & Span full digital calibration.
Non-Linearity	\pm 0.01% of full scale

GENERAL:

Real Panel	Load cell input, RS-232/RS485 x1, RS-232 x1, AC-input, Power Switch, Cal. Sw., printer Port, 4-20mA/0-10 A/O.
Power Source	110 or 220VAC \pm 10% 50 / 60Hz (preset in factory)
Op. Temperature	-10 $^{\circ}$ C \sim +40 $^{\circ}$ C (+14 $^{\circ}$ F \sim +104 $^{\circ}$ F)
Max. Op. Humidity	85% Relative Humidity or less (non-condensing)
Dimensions	192 (W) x 228 (D) x 84 (H) mm
Weight	Approximately 1.8kg

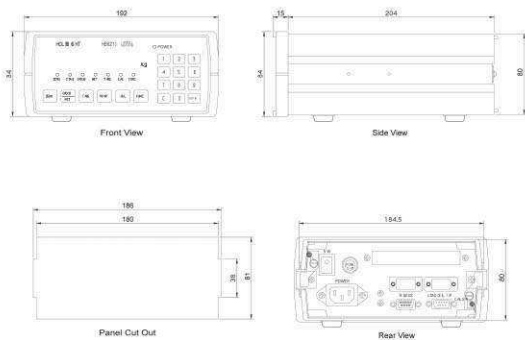
Standard Features

- ▲ HB-8211 is designed for high speed weighing application
- ▲ HB-8211 is designed for industrial field application.
- ▲ Designed interfere with EMI/RFI.
- ▲ High speed A/D conversion rate 128 times/sec.
- ▲ High resolution 16,000,000 internal counts
- ▲ One (1) full duplex RS-232 communication Interface is built in standard type.
- ▲ Power for drive (8) 350 Ω load cells or (16) 700 Ω load cells.
- ▲ Easy to use front keyboard for digital configuration and calibration zero and span.
- ▲ Easy to interface with P.L.C for batching plant or weighing control system application.
- ▲ RS-485 Serial interface(OPTION-03)
- ▲ Parallel port printer interface.(OPTION-04)
- ▲ High accuracy D/A converter : 14 bits (1/16,000) resolution, 4-20mA and 0-10VDC analog O/P (OPTION-05)
- ▲ I/O interface(OPTION-06)
- ▲ BCD O/P Interface (OPTION-07)

Option

- (op-02-8211): RS-232 Serial Interfaces.
- (op-03-8211): RS-485 serial Interface
- (op-04-8211): parallel printer Interface
- (op-05-8211): 4-20MA/0-10 vdc Analog o/p
- (op-06-8211): I/O Interface
- (op-07-8211): B.C.D O/P Interface

Physical Dimension



* Specifications change without notice.



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