



FEATURES

- HB-8215 / HB-8216A Is Designed For AC Power Operation, Universal Input From 100~240VAC 50/60HZ.
- HB-8215 / HB-8216B Is Designed For 12VDC Power Operation .
- The Indicator Is Designed For Industrial Field Application
- Compact Size Design.
- High Speed A/D Conversion Rate 128 Times/Sec
- High Resolution 24 Bits Over (10,000,000) Counts
- Dual Communication Ports Are Built In Standard Type HB-8215A/B.
- One (1) Full Duplex RS-232 Communication Interface And Analog O/P Are Built In Standard Type HB-8216A/B
- Power For Drive 8 350 Ω Load Cells Or 16 700 Ω Load Cell.
- Single Or 5-Point Linear Span Calibration.
- Easy To Use Front Keyboard For Digital Configuration And Calibration Zero And Span.
- High Accuracy D/A Converter : 14 Bits (1/16,000) Resolution, 4-20mA and 0-10VDC Analog O/P.
- Easy To Interface With P.C, P.L.C For Batching Plant Or Weighing Control System Application.

MODEL TYPE CONFIGURATION

HB-8215-A/B-1 :

Interface : 2 RS232 Serial Communication Interfaces.

HB-8215-A/B-2:

Interface : 1 RS-232 Serial Communication Interfaces.
: 1 RS-485 Serial Communication Interfaces.

HB-8216-A/B:

Interface : 1 RS232 Serial Communication Interfaces.
: 1 0-10V Analog Signal Output Interface.
: 1 4-20mA Analog Signal Output Interface.

SPECIFICATIONS

INPUT AND A/D CONVERSION	
Input Sensitivity	0.45 μ V/D ~100 μ V/D
Zero Adj. Range	0mV to 25 mV
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 Over (10,000,000) 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" (13.2 MM)
Display Resolution	300 ~ 30000
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	5 Setting Input Keys Zero, Tare, Tare Reset, Gross/Net, Func. 5 Setting Input Keys Esc. \blacktriangle Up, \blacktriangledown Down, Sel, Enter.
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 x 1, RS-232 x 1 AC-Input / DC-Input, Power Switch, Cal. Sw
Op. Temperature	10 $^{\circ}$ C ~ + 40 $^{\circ}$ C (+14 $^{\circ}$ F ~ +104 $^{\circ}$ F)
Power Source	Type A : 100 to 240VAC 50 / 60Hz Universal Input Type B : 10 to 18 VDC
Max. Op. Humidity	85% Relative Humidity Or Less (Non-Condensing)
Dimensions L x W x H	150 x 96 x 96 (MM)
Weight	Approximately 1KG