

The HB-8215/8216A/B is designed for two types of AC and DC power operation 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.

By the way, of course it also can be applied in hopper, silo weighing system or batching plant control system link with P.L.C. The indicator designed functions, accuracy, performance and reliability is much better than most of the other indicators in these field. But the price is the most competition, why ? Because we used the newest technology designed it.

The indicator is a only true industrial indicator in its price category, standard features include compact size design, Two (2) communication port or one (1) communication port with one(1) 4-20mA, 0-10V analog O/P, for P.C, P.L.C., remote display or the other application.

Technical Specification

INPUT AND A/D CONVERSION:

Input Sensitivity	0.3 μ V/D ~ 100 μ V/D
Zero adj. Range	0mV to 30mV
Load Cell Excitation	10VDC, 240mA (voltage sensing), drive 8 load Cell (350Ω) in parallel.
Input Impedance	10MΩ (min.)
A/D Conversion Method	Δ Σ
A/D Resolution	24 bits over (16,000,000) counts.
Temp. coefficient	Zero., ±0.2 μV/ °C RTI, Span., ± 15ppm/ °C of reading

DIGITAL SECTION:

Weight Display	7 Segment LED Display Height 6 Digits, 0.52" (13.2mm)
Display Resolution	300~60000
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	5 Input Keys Zero, Tare, Tare Reset, Gross/Net, Func. 5 Setting Input Keys Esc. ▲ UP, ▼ 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	±0.01% of full scale.

GENERAL:

Real Panel	Load cell input, RS-232/RS485 x1, RS-232 x1, AC-input /DC-input, Power Switch, Cal. Sw.
Power Source : Type A	110 or 220VAC ±10% 50 / 60Hz power supply.
: Type B	10 to 18 VDC
Op. Temperature	10°C ~ + 40°C (+14°F ~ +104°F)
Max. Op. Humidity	85% Relative Humidity or less (non-condensing)
Dimensions	96 (W) x 96 (D) x 170 (H) mm
Weight	Approximately 2.5kg

Standard Features

- ▲ HB-8215/8216A is designed for AC power operation.
- ▲ HB-8215/8216B is designed for 12VDC power operation.
- ▲ The indicator is designed for industrial field application.
- ▲ industrial Compact size design.
- ▲ High speed A/D conversion rate 128 times/sec.
- ▲ High resolution 24 bits over (16,000,000) internal counts.
- ▲ Dual RS-232C communication ports are built in standard type HB-8215A/B.
- ▲ One (1) full duplex RS-232 communication Interface and one(1) analog O/P are built in standard type HB-8216A/B.
- ▲ Power for drive 8 (350Ω) load cells or 16 (700Ω) load cells
- ▲ 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-8215A/B:

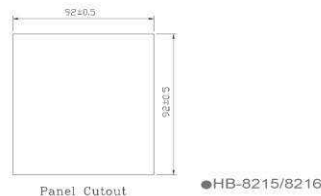
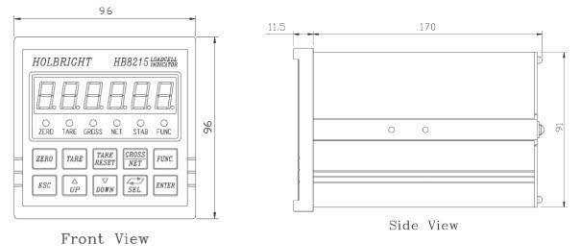
Interfaces : 2 RS232 Serial Communication Interfaces are built in standard type.

HB-8216-A/B:

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

* Option (01): RS-485 Serial Communication .
Note : It's available on both of HB8215/8216 (A/B)

Physical Dimension



- * HB-8215A/B- Two (2) RS-232C serial interface are built in standard.
- * HB-8216A/B-One (1) RS-232 serial communication interface and one(1) 4-20mA / 0-10V analog O/P are built in standard.

Option

- * Option (01)RS-422/RS485 interface option is available.

* Specifications change without notice.