

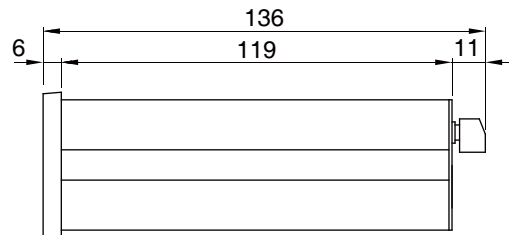
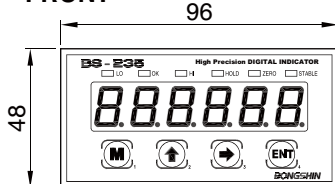
Model BS-235 Series

48x96mm Size

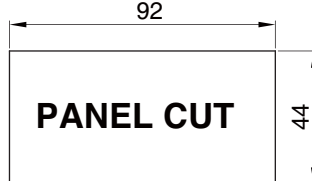
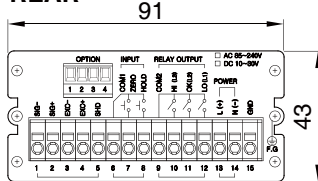
High Precision, High Speed Digital Indicator



FRONT



REAR



ORDERING INFORMATION

BS - 235 - 1 0
MODEL

Output

- 0 : Relay 3CH output (Standard)
- 1 : RS-232C Serial output (Option)
- 2 : RS-422 Serial output (Option)
- 3 : RS-485 Serial output (Option)
- 4 : DC 0~±10V Analog output (Option)
- 5 : DC 4~20mA Analog output (Option)

Example) Option 4 : Relay 3CH + DC 0~±10V

Operating Voltage

- 1 : AC 85 ~ 240V, 50/60Hz (Free Voltage)
- 2 : DC 10 ~ 30V

For:

- High speed weighing applications
- Force, pressure & torque measurements

Features:

- 24 Bit Sigma-Delta A/D converter for high accuracy
- High-speed A/D and D/A conversion at 2000times/sec
- Simulative(mV/V memory) or live load calibration
- Digital linearization function
- 3 Set point relay output
- Hold or peak hold function
- Serial commands to set parameters (max. 16 ID)
- Sensor output check function
- Isolated serial output & analog output

SPECIFICATIONS

Analog signal input range	-34mV ~ +34mV
Non-linearity	0.01% F.S. max.
Max. display resolution	1/30,000
Min. input sensitivity	0.2μV/Digit (min.)
Temperature drift	Zero : ±0.1μV/°C RTI max. SPAN : 10ppm/°C max.
Load cell excitation	DC 5V, 60mA (350 ohm x 4 load cells)
Input noise	±0.3μVpp or less
Input impedance	10MΩ or more
A/D internal resolution	24 bits
A/D sampling speed	2,000 times/sec
Display	LED, 7 segments 14.1mm high 6 digit
Maximum display	(-) 19999~(+) 19999 (min. division: 1) (-)199950~(+)999950(min. division:50)
Display speed	1,000times/sec ~ 1times/sec
Polarity indication (-)	"- " Minus sign
Annunciators	LO, OK, HI, HOLD, ZERO, STABLE
Display increments	1, 2, 5, 10, 20, 50 selectable
Decimal points	Selectable to any points
Power source	AC 85 ~ 240V or DC10 ~ 30V
Power consumption	Approx. 20VA
Operating temperature	-10°C ~ 50°C
Standard	0) Relay 3CH output
Options	1) RS-232C (Isolated Serial output) 2) RS-422 (Isolated Serial output) 3) RS-485 (Isolated Serial output) (RS-422/RS-485 Selectable from front panel) 4) DC 0~±10V Isolated analog output (DC 0~±5V Selectable from front panel) 5) DC 4~20mA Isolated analog output (DC 0~20mA Selectable from front panel)
Weight	Approx. 410g

* Specifications are subject to change without notice

MAY, 2021

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