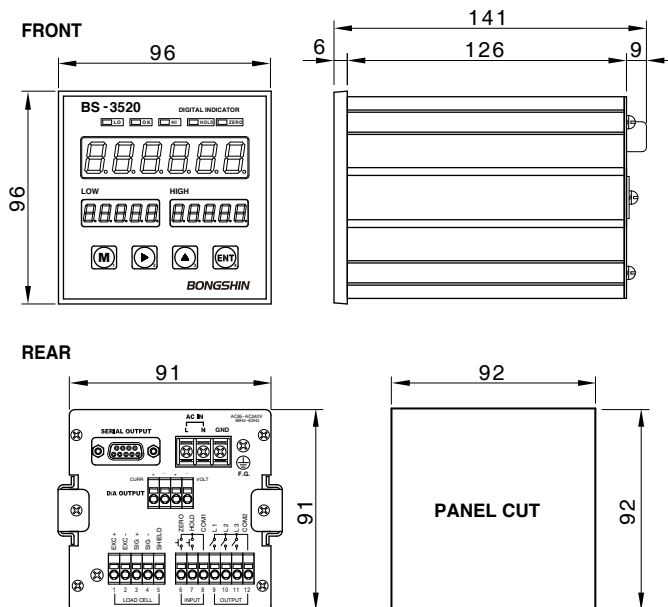


Model BS-3520 Series

96x96mm Size

High Precision, High Speed Digital Indicator



ORDERING INFORMATION

BS - 3520 - 1	0
MODEL	Output
	0 : Relay 3CH output & RS-232C+ RS-485 (or RS-422) output (Standard)
	1 : DC 0~±10V Analog output (Option)
	2 : DC 4~20mA Analog output (Option)
	3 : BCD Parallel output (Option)
	4 : Modbus485 + Ethernet (Option)
	5 : Modbus485 + Ethernet Card (Option)
	Example) Option 3 : Relay 3CH + RS-232C + DC 0~±10V output
	Operating Voltage
	1 : AC 85 ~ 240V, 50/60Hz (Free Voltage)
	2 : DC 10 ~ 30V

For:

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

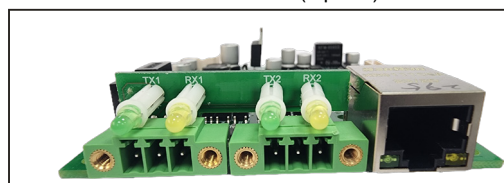
Features:

- 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
- Low/High limit display
- Low/OK/High Relay contact output
- Hold or peak hold function
- Serial commands to set parameters (max. 32 ID)
- Sensor output check function
- Isolated analog output (Option 1, 2)

SPECIFICATIONS

Analog signal input range	-34mV ~ +34mV
Non-linearity	0.01% F.S. max.
Max. display resolution	1/20,000
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	Measurement LED, 7 segments 14.1mm high 6 digit High/Low LED, 7 segments 8.0mm high 5 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
Display increments	1,2,5,10, 20, 50 selectable
Decimal points	Selectable to any points
Power source	AC 85 ~ 240V or DC10V ~ 30V
Power consumption	Approx. 20VA(AC Power), 10VA(DC Power)
Operating temperature	-10°C ~ 50°C
Output	Standard 0) Relay 3CH output & Serial output RS-232C + RS-485/RS-422 (RS-422 Selectable at front panel) Options 1) DC 0~±10V Isolated Analog output (User-changeable to DC 0~±5V) 2) DC 4~20mA Isolated Analog output (User-changeable to DC 0~20mA) 3) BCD Parallel output 4) Modbus 485 + Ethernet 5) Modbus 485 + Ethernet Card
Weight	Approx. 700g

Modbus485 + Ethernet Card (Option)



* Specifications are subject to change without notice

JAN, 2026

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