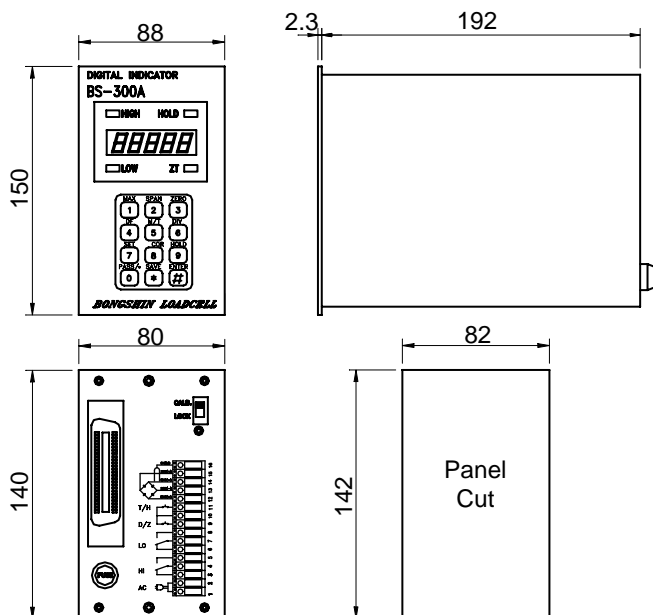


## Model BS-300A Series

Digital Indicator



**For :** -Load cells  
-Pressure, torque and displacement transducers

**Features:** -Front panel calibration and operation  
-Simulative or live load calibration  
-4 digit high brightness LED display

### SPECIFICATIONS

1. Analog signal Input range	Min.(0.5mV/V), Max.(3.2mV/V)
2. Non-linearity	±0.03% of full scale
3. Internal resolution	±1/20000
4. Temp. coefficient for display accuracy	Zero-0.25µV/°C RTI Max. Span-within 0.01% reading/°C
5. Excitation for pressure transducer or loadcell	DC 10V, 120mA
6. Display Type Active digit Polarity indication Display increments Decimal points Status annunciators	LED, 7 segments red, 10mm high 4 digits, (0000~±9999) "- " sign 1, 2, 5, 10, 20, 50 Selectable to any point(10, 100, 1000) Red LEDs indicate zero tracking, peak hold high and low trip relay operation
7. Sampling speed	Appr. 15 times per second
8. Set point	High, low set point (0000~±9999)
9. Ambient condition	Temp.: -10 ~40 °C Hum.: 20 ~ 80% RH
10. Set point relay output	Relay output; Relay contact output AC 240V, 2A or DC 30V, 2A
11. Operating Voltage	AC 110V, 50/60 Hz or AC 220V, 50/60 Hz or AC 240V, 50/60 Hz - Available on request
12. Power Consumption	Appr. 8VA
13. Calibration	Simulative calibration or Liveload calibration by front panel push button
14. Hold mode	Response-Appr. 1 KHz Accuracy-0.1% FS Max. Mode-Peak hold/Instant hold selectable by front panel push button
15. Option OP-1-BCD parallel output OP-2-Analog output OP-3-Analog output OP-4-RS-232C output OP-5-Peak hold	Isolated open collector (Maximum input voltage; DC 30V, 20mA) Voltage output (0~10V) Current output (4~20mA) RS-232C output High speed peak hold (App. 10KHz)
16. Accessories	Power cord, fuse
17. Weight	Appr. 2.2kg

The BS-300A multifunction transducer Indicator/Controller is a highly versatile instrument suitable for use with any strain gauge type transducer.

A feature of the instrument is its ability to be calibrated by simple front panel push button entry of any transducer's sensitivity from the manufacturer's calibration certificate, followed by entry of the engineering units in which it is to be used. Alternatively, conventional zero, span and analog output calibration is also available from the panel.

Other features of the BS-300A include push button tare, zero tracking, averaging, high/low relay outputs, peak hold and excitation for up to four 350 ohm transducers in parallel. Electrical connection is via the rear panel terminals, including the facility for remote operation of the tare and peak hold functions. Options include 4-20mA, 0-10V DC, RS-232C and BCD outputs. Housed in a rugged steel case, the BS-300A features a front panel measuring 88mm x150mm, with an overall depth of 194mm. Suitable for panel or free standing use, the unit will operate on 110V, 220V, or 240VAC.

Typical applications include weighing, batching, mixing, force, pressure, torque and displacement.

\* Specifications are subject to change without notice

MAY.2000