

# High Speed Digital Indicator

## > Model DN100

The DN-100 have designed specifically to operate with strain gauge sensors such as DN-100 is used in places where high-speed measurements are needed (compression load management, impact testing, etc.). It has high-speed responsiveness and high precision. The upper and lower limit settings are displayed.

- Superfast Conversion A/D (7,000 sps)
- High resolution (24 bit ADC, 16 bit DAC)
- High precision (0.01% F.S. or higher) and stability
- Calibration of actual load and sensor output value
- Watch dog
- Unit conversion function (kg, N, lb, kg/cm<sup>2</sup>, bar, MPa)
- Auto zero capability (Digital Display and Analog Output Simultaneous Zero)
- Peak & sample hold, Average hold
- 4 Relay Contact Output
- Modbus RTU protocol



## > SPECIFICATIONS

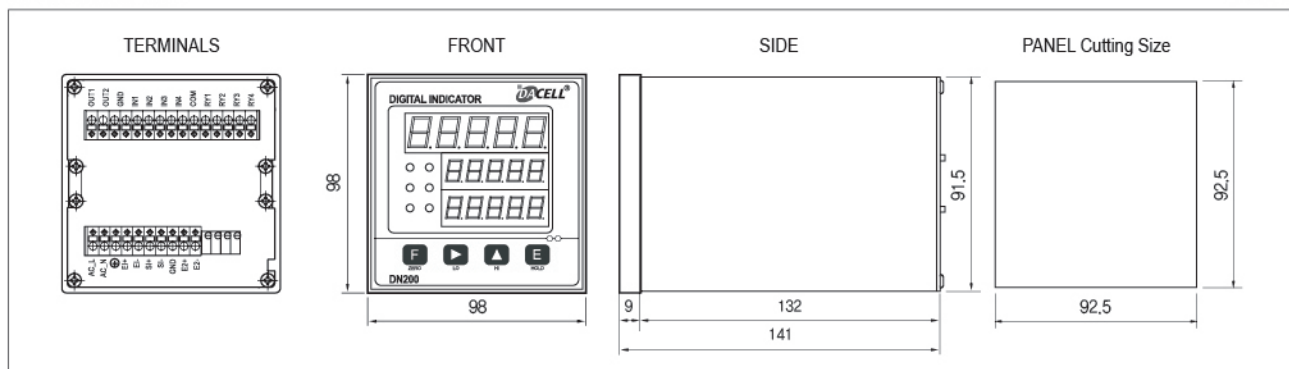
Specifications	Accuracy
Application sensor	Strain Gauge sensor
Sensor authorized voltage (the number of Loadcell connection)	DC 5V (Load cell(350Ω) available 4)
Zero adjustment range	100% F.S (Auto Zero)
Input signal	0.5 ~ 3mV/V
Display	-19999 ~ +99999
Character height	7 segment LED 14mm & 10mm
AD converter	24 bit 2,000 sps
DA converter	16 bit 2kHz
Temperature Characteristic	±10ppm/°C
Analog output	DC 0 ~ ±10V or 4~20mA(Selective use)
Relay output	Contact capacity : 250VAC/3VDC 3A Relay life time : Over 10 <sup>7</sup> , Over 10 <sup>5</sup> under the rated load)
Usage temperature range	-10°C ~ 60°C
Humidity	Less than 80% RH (no dewing.)
Power source used	AC 90 ~ 240V 50/60Hz 8VA
Sizes	96×98×141mm
Panel cutting size	92.5×92.5mm
Weight	About 700g

## ■ Option

- OP-01 : BCD out
- OP-02 : RS232C (Default Mounting)
- OP-03 : RS485
- OP-04 : RS422A
- OP-10 : Power DC24V 0.3A
- OP-14 : Input signal 5mV/V
- OP-15 : Input signal 10mV/V

## > DIMENSIONS

unit:mm



★ Specifications are subject to change without notice.