

CT-100

Digital Indicator

This product is suitable for measuring physical quantities (load, torque, displacement, pressure etc) applied to a strain gauge and using various kinds of sensors with small DC voltage.

It has functions such as digital display, analog and relay output and is used in places where high-speed measurement is required (indentation load control, impact test etc). It has high speed response and high precision and the upper and low limit setting value are displayed.

- Ultrafast conversion A/D (5000times/sec)
- High precision (more than 0.02% F.S) and stability
- Unit conversion (kg, N, lb, kg/cm², bar, Mpa)
- Calibration with actual load and sensor output value
- Auto zero function (display & analog output zero simultaneously)
- Automatic return of system error



SPECIFICATION

Application sensor	Strain gauge type sensor
Sensor authorized voltage	DC 5V
Zero adjustment range	100% F.S (Auto zero)
Signal input range	0.5 ~ 3.0 mV/V
Display range	-19999 ~ +99999
Character height	7 segment LED 14mm
A/D Converter	16bit 5000times/sec
D/A Converter	16bit 1000times/sec
Zero variation	Within 0.5μV/°C
Sensitivity variation	Within 0.01%/°C
Output	DC ±10V (4~20mA: option)
Contact capacity	AC 250V 5A
Relay life span	Over 5 million times
Usage temperature range	-10°C ~ 60°C
Humidity	Less than 80% RH
Power	AC 90V ~ 240V 50/60Hz
Weight	About 600g

FUNCTION

- Peak & Sample hold
- Upper and lower limit comparison output
- NG, OK decision function
- 4Relay output
- Analog out (DAC)

OPTION

- OP-01: BCD parallel out
- OP-02: RS232C serial interface
- OP-03: RS485 multi drop interface

DIMENSION (mm)

