LC240 LOAD CELL CONVERTER

- Low-drift and low-noise load cell converter
- Switchable excitation voltage: DC 2.5V, 2.9V, 4V, 5V, 6.6V and 10V
- Output current capacity of excitation voltage is 120mA (when excitation voltage is 10V). Up to 4 350Ω load cells can be connected in parallel.
- Rough and fine tunings for both zero and span adjustment
- Standard equipped with current output of 4 to 20mA.

Specifications

EXCITATION VOLTAGE	DC10V±0.5% Output current: within 120mA…..Standard specification (Up to 4 350Ω load cells can be connected in parallel.) DC2.5, 2.9, 4, 5, 6.6V±0.6% (Switching over by DIP switch) Output current: within 60mA
ZERO ADJUSTMENT RANGE	0 to approx.2mV/V Rough adjustment：16-step rotary switch Fine adjustment:20 turn trimmer potentiometer
GAIN ADJUSTMENT RANGE	0.45mV/V to 3.0mV/V 0.225mV/V to 1.5mV/V (Range can be changed by selecting an internal switch) Rough adjustment：16-step rotary switch Fine adjustment:20 turn trimmer potentiometer
ACCURACY	Non-linearity.......................within 0.01%/FS Zero drift.............................within 0.25µV/℃ RTI Gain drift……………..………within 50ppm/℃ Noise...................................within 0.2µVp-p RTI(1Hz)
OUTPUT SIGNAL	Voltage output：0 to ±10V　　Load resistance：2kΩ or more 　　　　　　　　　　　　　　Output resistance：0.2Ω or less Current output：4 to 20mA　　Load resistance：500Ω or less 　　　　　　　　　　　　　　　　…Standard specification
LOW-PASS FILTER	Low-pass filter（−6dB/oct.） Approx.1Hz/−3dB…………Standard specification
CALIBRATION VALUE	1mV/V　±0.2%……Standard specification
POWER SUPPLY	AC100V　±10%　50/60Hz
POWER CONSUMPTION	Approx. 5VA
OPERATION CONDITION	Temperature……Operation temperature　−10 to ＋40℃ Humidity……85% RH or less（non-condensing）
EXTERNAL DIMENSION	44.6（W）×110（H）×185（D）mm（not including protrusions）
WEIGHT	820g
ATTACHMENTS	AC input cord……………………………1 Spare fuse(0.5A)…………………………1 Mini-driver……………………………… 1 Crimping terminal…………………………11 Operation manual…………………………1
OPTIONAL ACCESSORIES	POT03：Potentiometer for external zero adjustment

※ Special specifications can support the following: (Please specify when ordering.)
- Current output: 2 to 10 mA, Load resistance: 1kΩ or less
- Filter: 10, 100, 1kHz , other
- Calibration value: 0.5mV/V

External dimension

（Top View）

（Front View）　　　（Side View）　　　（Rear View）

Unit mm