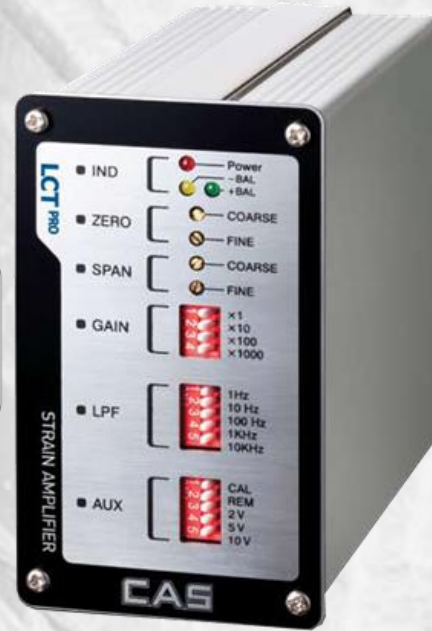


LCT<sup>PRO</sup> is exclusive use for load cell, but ont only load cell but also can transfer output of voltage and current and digital(RS232) of strain gauge type transducer. This is fast respond speed amplifier that is needed at the industrial site.

## Feature

- \* Modularization option and various output type  
User can select output type in voltage, current and digital(RS232) by Modularization option
- \* Easy connection by terminal block type connector
- \* Built-in low-pass filter  
Noise by measurement environment or no need frequency can be moved by built-in low-pass filter.



## Specification

LCT <sup>PRO</sup>	Voltage	Current(option)	Digital(option)	Bridge module(option)
Input	Full Bridge Transducer			* Strain gauge 1/4, 1/2, full(50Ω ~ 1KΩ) * Transducer Strain gauge type sensor Pressure sensor Potentiometer type sensor Dcdt displacement meter Various transducer
Output	0 ~ +/- 10V	0 ~ 40mA	0 ~ +/- 10V, RS232	
Power	DC +18 ~ +24V			
Gain	x1, x10, x100, x1000, x1 ~ x11 (Fine Volume), (Load cell 0.1mV/V~100mV/V)			
Filter	Low-pass filter, Selectable in 1Hz,10Hz,100Hz,1KHz, 10KHz			
Input Impedance	≤10 <sup>10</sup> Ω			
Exciting Voltage	Selectable in 2V, 5V, 10V(Remote sense)			
Zero Balance	±100% (R.O)			
Span Balance	±10% (R.O)			
Linearity	±0.01% (F.S)			
Accuracy	±0.01% (F.S)			
Operation Temp.	-25 ~ +85℃, 85%			
Mea. Impedance	1.7 KΩ <	0~500Ω	3~7KΩ	
RS-232C			9600bps, Stream Mode 16bit, 8Hz sampling Rate	

- \* Variuous strain gauge type sensors
- \* Large gain range (1 ~ 11,000 time)
- \* Bridge calibration(Amp. Calibration)
- \* High frequency resposibility(10KHz, -0.5dB)
- \* Various exciting voltage(DC 2V, 5V, 10V)
- \* Built-in circuit of remote sensor exciting voltage
- \* Various output
  - Digital (RS-232C), current (0~40mA), voltage (0~+/-10V)
- \* Option  
Module of voltage, digital or bridge

