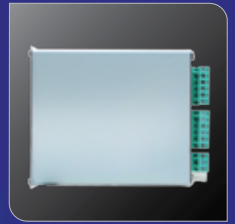




Various output signal type



Possible to Measure a variety of strain gauge type sensor



Easy to install via Panel type structure

# LCT<sup>PRO</sup>

## Strain Amplifier

LCT<sup>PRO</sup> is a Strain amplifier/signal conditioner module for strain gauges, load cells and transducers. It offers an accurate and stable excitation signal, producing a voltage, current or digital output (RS-232C) for interfacing to programmable controllers, chart recorders or other process control instruments.



# LCT<sup>PRO</sup> | Strain Amplifier

## Modular options & various output signal type



Using the modular option, the user can easily install and use the desired option. Choose between a Bridge Module for strain gauge or Current & Digital Output.

## Specifications

LCT <sup>PRO</sup>	Voltage output	Current output(Optional)	Digital output(Optional)	Bridge module(Optional)
Input	Full Bridge Transducer			<ul style="list-style-type: none"> <li>• Straingages 1/4, half, full(50Ω ~ 1KΩ)</li> <li>• Transducer Foil, Piezoresistive Straingage types, Potentiometer, Dcct, Displacement transducer</li> <li>• High level : voltage(mV,V)</li> </ul>
Output	0 ~ +/-10V	0~40mA	0 ~ +/-10V, RS232C	
Power	DC +18 ~ +24V			
Gain	x1, x10, x100, x1000, x1 ~ x11 (Fine Volume) (Loadcell 0.1mV/V~100mV/V)			
Filter	Low-pass filter 1Hz, 10Hz, 100Hz, 1KHz, 10KHz selectable			
Input Impedance	≤10 <sup>10</sup> Ω			
Excitation voltage	2V, 5V, 10V selectable (Remote Sense)			
Zero Balance	±100% (R.O)			
Span Balance	±10% (R.O)			
Linearity	±0.01% (F.S)			
Accuracy	±0.01% (F.S)			
Operating Temp.	-25 ~ +85, 85%			
Mea. Impedance	1.7 KΩ <	0~500Ω	3~7KΩ	
RS-232C			9600bps, Stream Mode 16bit, 8Hz sampling Rate	

## Features

- Available for All bridge sensors (1/4, 1/2, Full Bridge)
- Gain adjustment range from 1 to 11,000
- Single shunt calibration
- built-in Low-pass filter for signal conditioning
- Wide frequency response (10KHz, -0.5dB)
- Selectable excitation voltage (DC 2 V, 5V, 10V)
- Excitation remote sense installed
- Various output signal type
- Current Output(0~40mA), Digital Output(RS232C), Voltage output(0~+/-10V)

# CAS

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Specifications are subject to change for improvement without prior notice.

## Terminal block type connector

Terminal block type connector allows the user to connect the LCT<sup>PRO</sup> to instruments conveniently.



## built-in Low-pass filter for signal conditioning

LCT<sup>PRO</sup> provides a more accurate and stable output signal by eliminating useless frequencies and noise found in measuring environments.

## Options

- Current output (Option)
- Digital output (Option)
- Bridge module (Option)

## Dimensions

