

# Model PT100LC

## LOAD CELL CONDITIONER/TRANSMITTER



The PT100LC load cell conditioner is designed with the latest SMT technology.

It is compact in size and ruggedly constructed.

An ideal compliment to the complete range of PT load cells.

The PT100LC has a 10V DC, 120mA supply for load cell excitation and output formats of: 0 to 10V, 0 to 20mA or 4 to 20mA.

A perfect low cost solution for all your load cell conditioning requirements.

## APPLICATIONS

- Precision weighing with load cells
- Process control add-on loops
- Can be used with all types of strain gauge sensors

## FEATURES

- Summing of up to 4 load cells
- Complete strain gauge bridge signal conditioner
- Wide input range
- Outputs: 0 ~ 10V, 0 ~ 20mA or 4 ~ 20mA
- Din rail mount

## Specifications

Power Supply	24V AC/DC $\pm$ 10%	Zero adjustment range	0 ~ 80%
Power Consumption	5.3VA max	(Course and fine tune by using variable resistors)	
Linearity Error	< 0.050% FSO	Max Input	20mV
Load Cell Type	All strain gauge type	Span adjustment range	100 ~ 20%
Load Cell Supply	10V DC, 120mA max	(Course and fine tune by using variable resistors)	
Input Sensitivity (user selectable)	1.5mV/V or 3.5mV/V	Relative Humidity	90% Non-Condensing
Output (user selectable)	0 ~ 10V	Operating Temperature Range	-5 ~ 60°C
	0 ~ 20mA	Dimensions	75mm(L) x 75mm(W) x 55mm(H)
	4 ~ 20mA	Net Weight	150gms approx
Allowable load resistance	0 ~ 20mA less than 550 $\Omega$		
	4 ~ 20mA less than 550 $\Omega$		
	0 ~ 10V more than 4 $\Omega$		



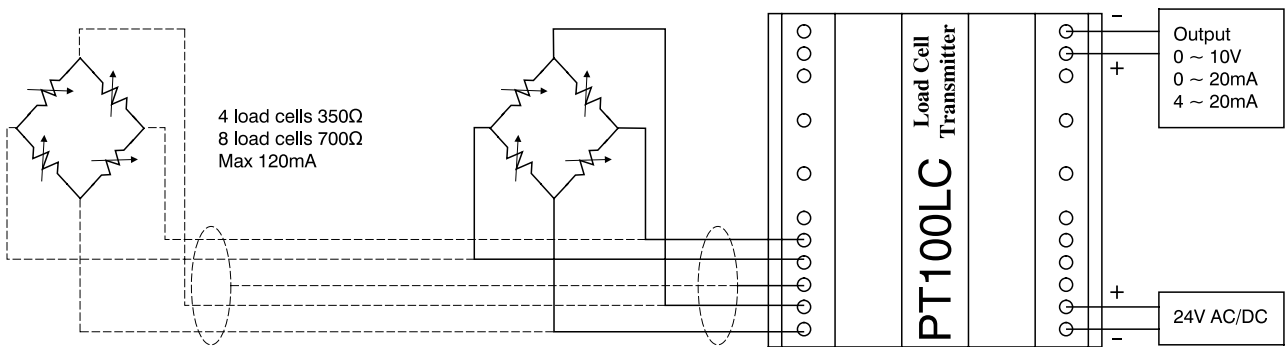
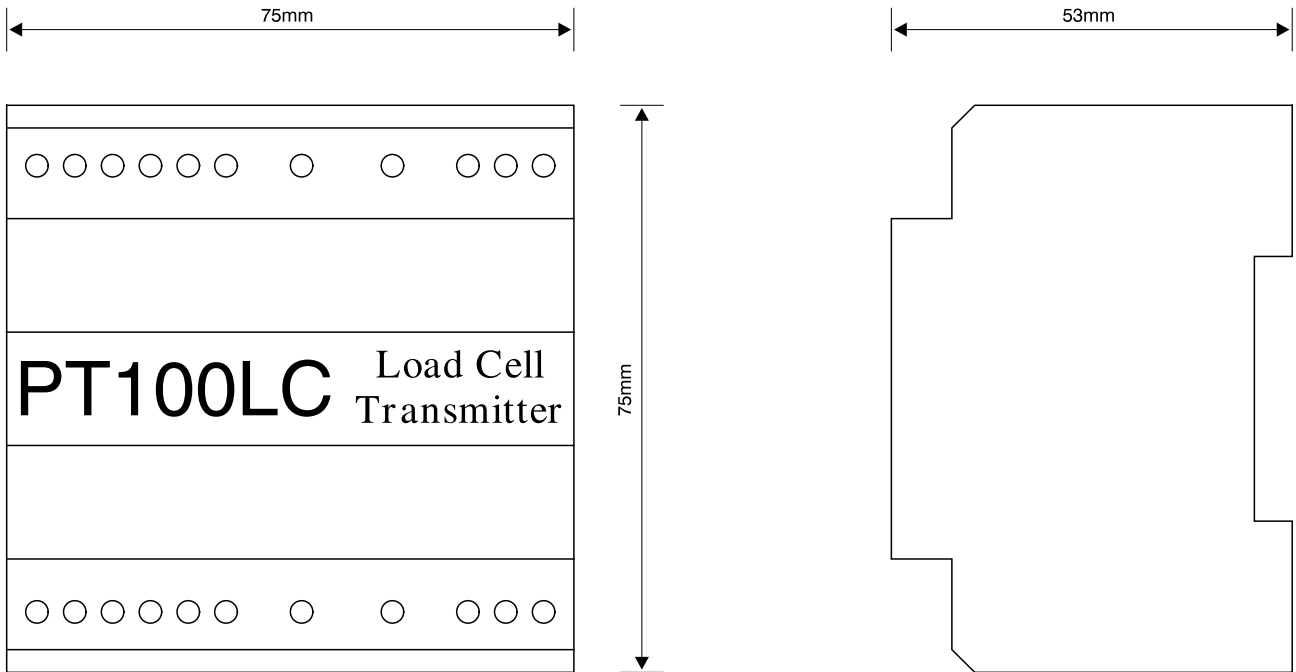
Manufactured in New Zealand

PT Limited®  
<http://www.ptglobal.com>

## Ordering Information

*Detailed dimension drawings for the accessories are available at our web site.*

MODEL	Part Number
PT100LC    Conditioner	EP100LC0000XXX



*NOTE: To trim load cells individually install Summer Box PT100SB*

### PT Cable Colour Code

Excitation	+ve	<b>Red</b>
Sense	+ve	<b>Brown</b>
Excitation	-ve	<b>Black</b>
Sense	-ve	<b>Blue</b>
Signal	+ve	<b>Green</b>
Signal	-ve	<b>White</b>