

Converter which outputs DC signal proportional to the load cell signals

Features

- ★ Converts load cell signal to DC voltage or DC current
- ★ 3 port isolation between Input-Output-Power supply
- ★ DIN rail mount
- ★ Terminal block type

Ordering code

TW - **3S** -

Code	Input
0	1 to 4mV/V
Y	Contact us for other than the above Production range : 4 to 20mV/V Load Cell: Strain Gauge Sensors(350Ω)

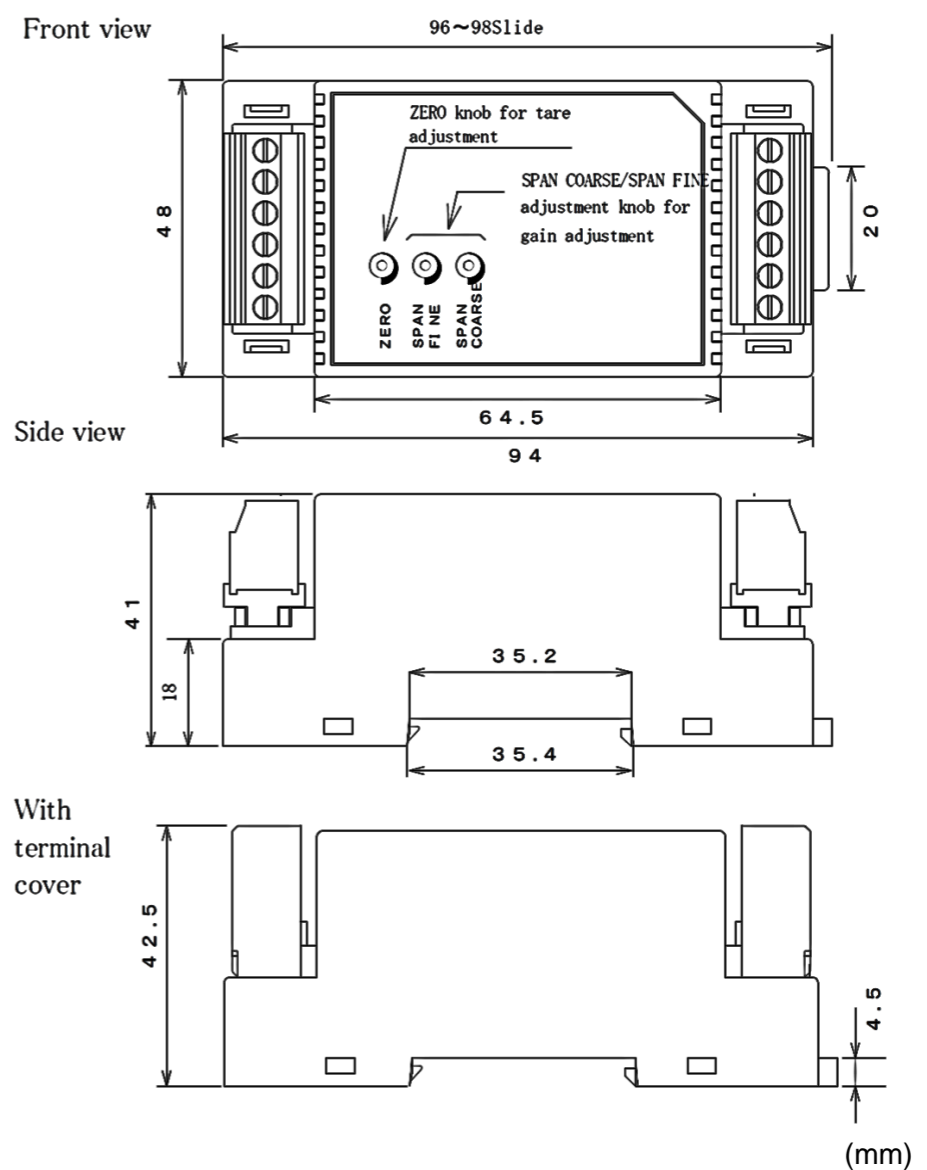
Code	Output	Allowable Load Resistance
0	0 to 5VDC	2kΩ or more
1	1 to 5VDC	2kΩ or more
2	0 to 10VDC	4kΩ or more
A	4 to 20mVDC	550Ω or less
B	0 to 20mVDC	550Ω or less
Y	Contact us for other than the above Current output : 20mA or less, Min. span : 1mA Voltage output : ±10V, Min. span : 1V	

Code	Load Cell Applied Voltage	Allowable current	Tare Adjustment
1	2.5V	30mA	±0.25mV/V (Input conversion)
2	5V		
3	10V		

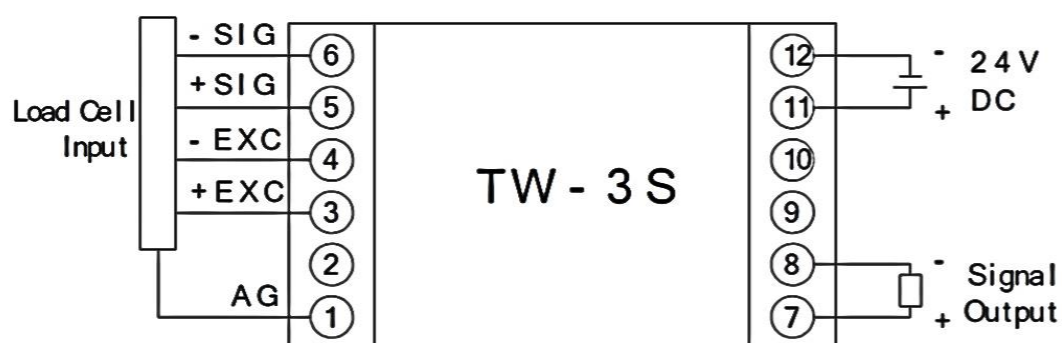
Specifications

Input signal	Load Cell: Strain Gauge Sensors (350Ω)
Output signal	DC current / voltage
Accuracy	±0.25% of span (at 25°C ±2°C)
Temperature coefficient	±0.03% of span per °C
Response time	10ms (0 to 90%)
Insulation resistance	100MΩ or more with 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	1500Vac for 1 minute Between input, output, power supply terminal Leak current 2mA
Power supply voltage	24VDC ±10%
Power consumption (current)	120mA or less
Operating temperature range	-5 to +50°C
Operating relative humidity	90% or less (Non-condensing)
Case color and material	Black PBT
Dimensions	98(H) X 48(W) X 41(D)mm
Weight	Approx. 120g
Accessory	Terminal cover, Removable type 6p connector

Dimensions

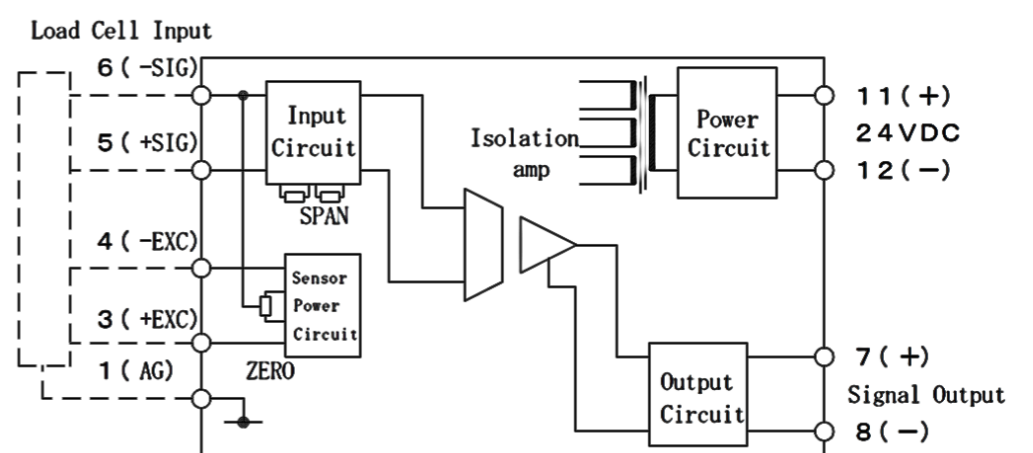


Terminal connections



No	Symbol	Description
1	AG	Analog ground
2	NC	No connection
3	BRIDGE DRIVE +	Applied Voltage
4	-	
5	INPUT +	Input
6	-	
7	OUTPUT +	Output
8	-	
9	NC	No connection
10	NC	
11	POWER +	Power Supply
12	-	

Block diagram



* Specification is subject to change without notice