

# WEB TENSION CONTROLLER- TC950

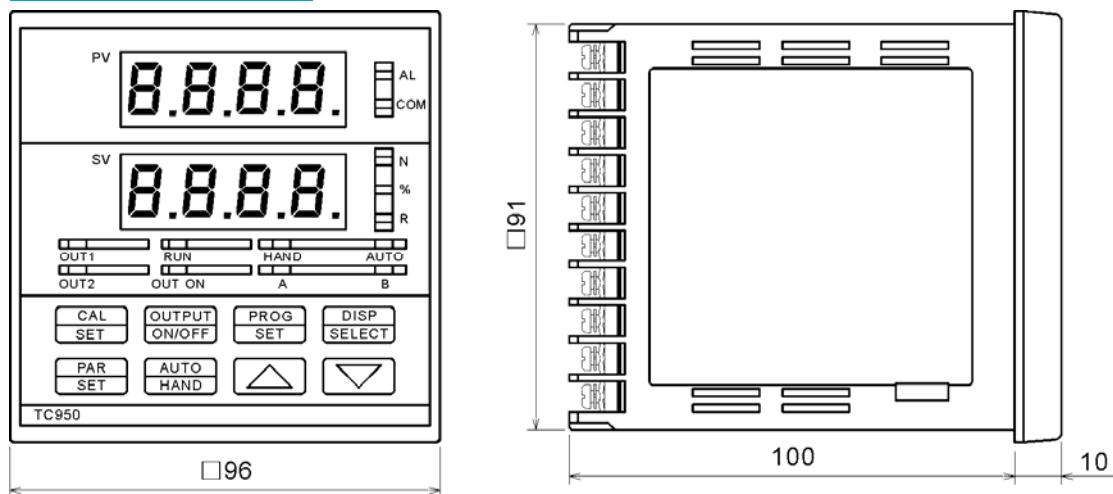
The TC950 Tension Controller is an application-specific controller designed to provide you with precise control over winding and unwinding tension control applications for web and strand.



## Features

- ✓ Automatic/Manual tension control.
- ✓ Advanced PID control algorithm provides high control precision.
- ✓ Full digital circuits, easy tension calibration.
- ✓ Speed synchronous tracking function, speed signal input range: 0~10V.
- ✓ Various optional outputs for different applications.
- ✓ RS485/RS232 serial communication
- ✓ Measured Tension transmission.
- ✓ Reel exchange function.
- ✓ Wide range switching power supply (85~264V).
- ✓ Friendly user interface, easy to use.
- ✓ More cost efficient.

## Dimensions



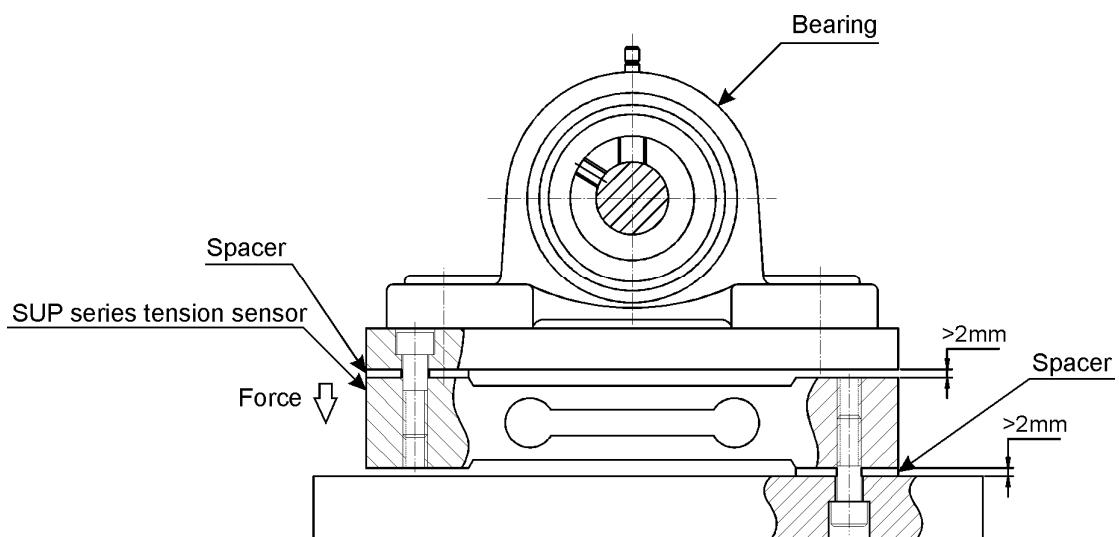
## Technical Data:

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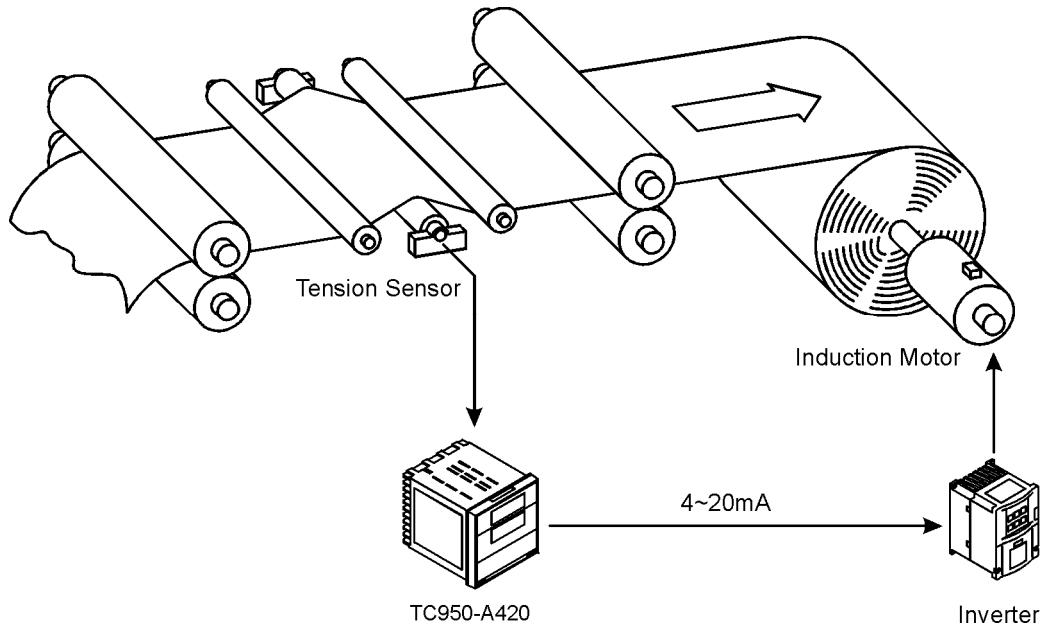
Resolution	±0.2%FS ± 1 digit
Sampling rate	100 ms
Tension signal input	0~50 mV
Outputs-Anlog	4~20mA OR 0~20mA OR 0~10V PWM Phase-shifting output
Alarm	Relay, NO, Max.250VAC, 2A Zero tension alarm
Control algorithm	PID
Communications	RS232 or RS485
Power supply	100~260VAC, 50/60 Hz
Environmental	Ambient temperature: 0~50 °C Relativity humidity: ≤85%
Dimensions	96mm(W)*96mm(H)*100mm(D)

## **Typical Applications of Web Tension Controller:**

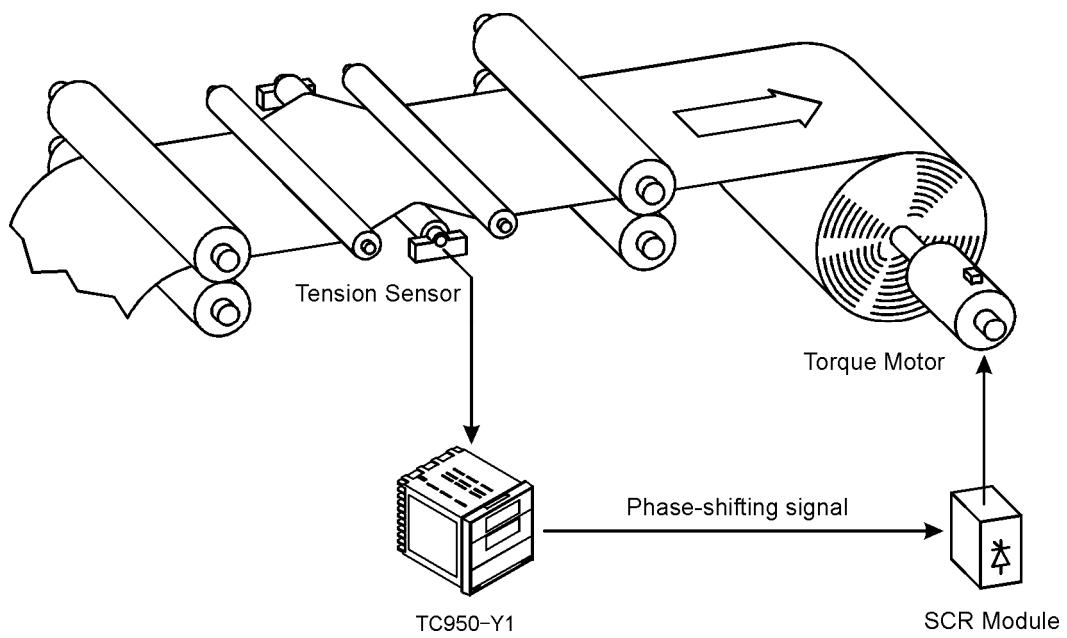
### **Typical Mounting of Load Cell**



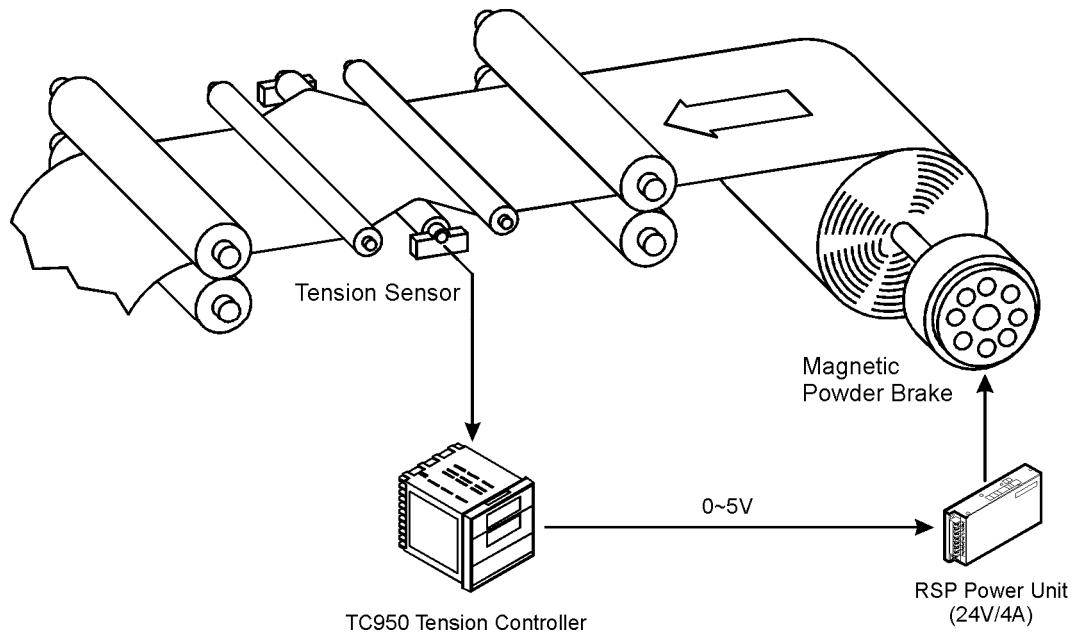
## Typical Application 1



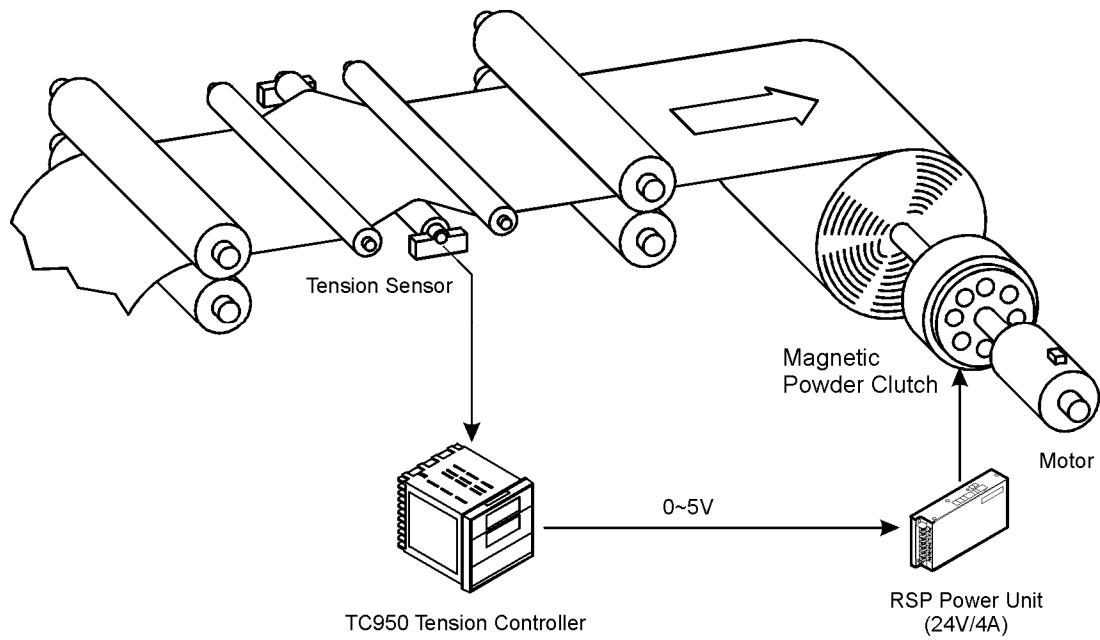
## Typical Application 2



### Typical Application 3



### Typical Application 4



## Typical Application 5

