

# Taishio

## Taishio Thermocouple Temperature Transmitter - TS1605TC

### Features

- Thermocouple Temperature Transmitter
- Thermocouple Types K, J, E, N, T, R, S, L, U, B, C, G
- (4 to 20) mA Two Wire Output
- USB Configuration
- Push button Calibration Against Live Sensor Value
- View live data on an Android phone or tablet



### Specifications @ 20°C

Sensor	Range (°C)	Accuracy
Type K	-200 to 1370	± 0.1% of full input range ± CJ error *1
Type J	-100 to 1200	± 0.1% of full input range ± CJ error *1
Type E	-200 to 1000	± 0.1% of full input range ± CJ error *1
Type N	-180 to 1300	± 0.1% of full input range ± CJ error *1
Type T	-200 to 400	± 0.2% of full input range ± CJ error *1
Type R	-10 to 1760	± 0.1% of full input range ± CJ error *1
Type S	-10 to 1760	± 0.1% of full input range ± CJ error *1
Thermal drift	-20 to 50 50 to 70	( ± 0.15 °C/ °C at zero ) + ( ± 0.1 °C/ °C at span )
mV	-10 to 70 mV	± 0.02 % of full input range
<b>COLD JUNCTION</b>		
Thermistor bead	-40 to 85 °C	± 0.5 °C
Thermal Drift	0 at 20 °C	± 0.05 °C
<b>OUTPUT</b>		
Output type	2 wire (4 to 20) mA current loop	
Output range	4.0 mA to 20.0 mA	
Maximum output current	21.5 mA	
Minimum output current	< 3.9 mA	
Accuracy	(mA output/2000) or 5 uA (Whichever is the greater)	
Maximum output load	[(V supply – 10)/20] KΩ	
Loop supply	(10 to 30) V DC	
Dimensions	12.5 (W) x 56.4mm (depth from rail) x 90mm (H)	
Weight	60g approximate	