

# **Type TW Series**



This high power wire wound potentiometer is a recent addition to the Tyco range. The TW series offers 1 Watt power rating, low terminal resistance and excellent linearity. For a rugged high power control potentiometer at a very attractive price the TW Series will satisfy your requirements.

## **Key Features**

- Wirewound Element
- Proven Reliability
- Excellent Linearity
- 1 W Rating at 40°C
- Robust Construction
- Custom Designs Possible

# **Wirewound Spindle Operated Potentiometer**



#### **Type TW Series**

# Characteristics - Electrical

Resistance Range:	5R0 to 20K (Linear)	
Resistance Values:	1, 2 and 5 in each decade	
Resistance Tolerance:	10%	
Linearity:	2% maximum	
Rated Dissipation at 40°C:	1 W	
Maximum Working Voltage:	200V DC	
Electrical Rotation:	265° ±5°	
Terminal Resistance:	2 ohms	
Maximum Wiper Current:	100mA	
Insulation Resistance:	1000M Ohms at 500V DC	
Voltage Proof:	1000V AC	

## Characteristics - Mechanical

Shaft Torque:	3.5 - 100 mNm
Mechanical Rotation:	285° ±5°

#### Characteristics -Environmental

Operating Temperature:	-55°C to +125°C
Temperature Coefficient:	100ppm/°C
Mechanical Endurance:	10,000 operations
Sealing:	Enclosed

#### **Dimensions**



