



Pronex Torque Telemetry System



ROBUST DESIGN

Designed by test engineers for test engineers incorporating high quality materials and qualified for harsh shock and vibration environments



EFFORTLESS SETUP

Compact design with multiple mounting interfaces provides for swift instrumentation setup with extended distances between transmitter and receiver

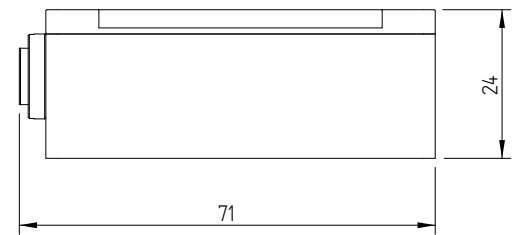
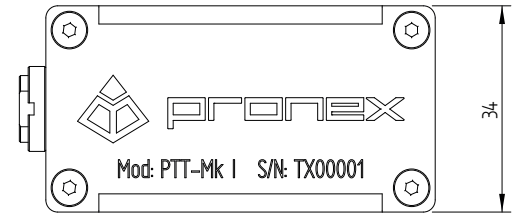


QUALITY DATA TELEMETRY

Noiseless analog voltage type output to data acquisition system with high sampling rate that accommodates for multiple additional telemetry setups

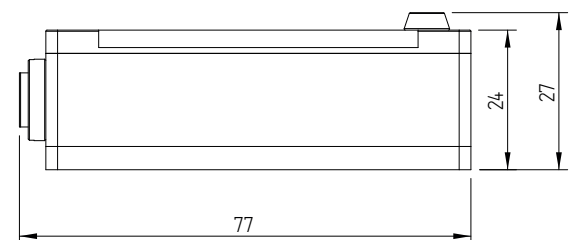
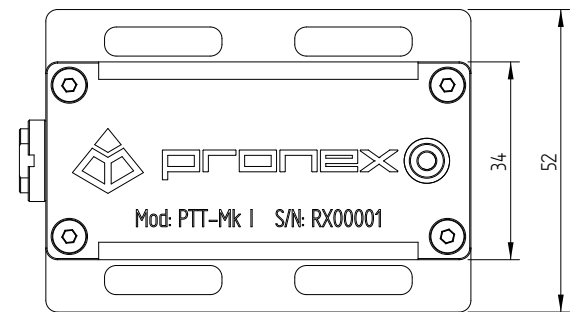
SYSTEM SPECIFICATIONS

Telemetry Protocol:	Pin Protected Bluetooth (2.4 GHz)
Telemetry Distance:	10 m (Semi Direct Line of Sight)
Frequency Response:	Up to 200 Hz
Resolution:	8 Bit
Operating Temperature:	-10°C to 80°C
Water & Dust Resistance:	IP65
Vibration Resistance:	10 g Sinusoidal (IEC 60068-2-6)
Shock Resistance:	100 g Half-Sine (IEC 60068-2-6)



TRANSMITTER SPECIFICATIONS

Strain Gauge Interface:	Full, Half or Quarter Bridge
Bridge Excitation:	5 VDC
Gain:	Fixed (Client Selected at Order)
Data Interface:	Turck Banner 6-Pin M8 Connector
Power Input:	6.5 - 7.5 VDC (Li-ion Replaceable Battery)
Current Output:	40 mA (Maximum)
Battery Life:	Battery Pack Size Dependant
Construction:	Anodised Aluminium Lid with Nylon Body
Shaft Fastening Interfaces:	V-Groove Base with Chamfered Lid
Size and Weight:	71 mm x 25 mm x 34 mm ; 50 g



RECEIVER SPECIFICATIONS

Signal Output:	0 - 5 VDC (Offset to 2.5 Volts)
Data Interface:	Turck Banner 6-Pin M8 Connector
Power Input:	6.5 - 7.5 VDC (From DAQ)
Pairing:	Auto-pairing with LED Status Indicator
Construction:	Anodised Aluminium Lids with Nylon Body
Fastening Interfaces:	Slotted Base with Chamfered Lid
Size and Weight:	77 mm x 23 mm x 524 mm ; 80 g

