

BEST OF BRITISH

WIRELESS COVERED

FULL TECH SPEC OVER

QUICK REFERENCE GUIDE TO HELP YOU DECIDE WHICH SYSTEM SUITS YOUR APPLICATION

SYSTEM BENEFITS

 **B24**

- ✓ Long Battery Life
- ✓ Use Own Device
- ✓ Low Cost
- ✓ Android/iOS App
- ✓ Upgrade Path

 **T24**

- ✓ High Accuracy
- ✓ High Resolution
- ✓ IP Rated Enclosures
- ✓ OEM Options
- ✓ Strain/Load Cell Input

- ✓ High Speed
- ✓ Modular System
- ✓ Long Range
- ✓ Windows Software
- ✓ Maximum Devices
- ✓ Multiple Input Types

SYSTEM BENEFITS

BLUETOOTH STRAIN TRANSMITTER



Instant access to close range strain (input) measurements via phone or tablet. Connect up to 12 sensors to a single mobile device or to multiple mobile devices.

WIRELESS TELEMETRY SENSOR SYSTEM



Powerful & easily expandable for measuring multiple sensor types. Connects with up to 100 sensors up to half a mile range. Supported by powerful configuration software with data logging & visualisation for local or remote access.

USA STOCK HOLDING

Contact our sales team +44 (0) 1395 232020

 **mantracourt**

HARDWARE SPECIFICATION	B24	T24
Radio Frequency	2.4 GHz	2.4 GHz
Sensitivity Range	+/- 6 to 48 mV/V	+/- 3.1 mV/V & +/- 5 mV/V (new acq module)
Data Rate	10 sps	200 sps
Resolution max	16.75 Bit (NF) at +/- 6mV/V	18.75 Bit (NF) at 3.1mV/V
Excitation	3V Nominal	5V
Strain Gauge Excitation System	4 Wire	4 Wire
Supply Voltage	2.3 - 3.6 V	2.1 to 3.6 V
Range	Up to 90 metres	Up to 800 metres
Power Transmission	3 mW	10 mW
Strain Gauge Drive Cap (Min)	85	85
Strain Gauge Drive Cap (Max)	5000	5000
Battery Life	3 Hz 24 hrs a day AA = 3 mth	3 Hz 24 hrs a day AA = 1 mth
OEM Linearization	2 point (options for OEM)	2-9 point
Order Code		
Transmitter Modules	B24-SSBC	T24-ACM & T24-ACMi + variants
OEM PCB Transmitter Modules	B24-SSBX	T24-SA/VA/IA/TA/RA/PA

ENVIRONMENTAL & COMPLIANCE		
Operating temperature (excludes batteries)	-40 to +85 C	-20 to +55 C
Storage temperature (excludes batteries)	-40 to +85 C	-40 to +85 C
Max humidity	Up to 95% non condensing	Up to 95% non condensing
IP Rating	IP67 (cased version only)	IP67 (cased version only)
Compliance	Bluetooth Low Energy v4.1, CE, FCC, IC, RoHS	ETSI, FCC, CE, RoHS

SOFTWARE SPECIFICATION		
Radio channel change	No	Yes
Configurable input sensitivity	Yes	custom available
2 point calibration	Yes	Yes
OEM Multi point calibration	No (options for OEM)	Yes
Transmit measurement units	Yes	No
Auto convert measurement units	Yes	No
Data rate change (user adjustable)	Yes	Yes
User adjustable noise free resolution	Yes	Yes
Data tag change	Yes	Yes
Simple receiving radio quality monitoring	Yes	Yes
Detailed Transmission/receiving quality monitoring (RSSI/CV)	No	Yes - function available in free software
Battery level monitoring	Yes	Yes
Low power mode switchable	No	Yes
Security	Yes	Yes
Save and restore config/cal files	No	Yes - function available in free software
Auto sleep (configurable)?	No	Yes
View up to 12 transmitters	Yes	Yes
View and log up to 100 transmitters	No	Yes - function available in free software
Use images for visualisations	No	Yes - function available in free software
Perform maths functions on displays	Yes	Yes
Set display format and resolution	Yes	Yes
Set global timeout	Yes	No
Set individual channel timeout	No	Yes
Set over/under load	Yes	Yes
Tare individual displays	Yes	Yes
Manually enter tare value	No	Yes
Show peak or trough	Yes	Yes
Smooth display with filtering	No	Yes - function available in free software
Create reports	No	Yes - function available in free software
COG visualisation	No	Yes - function available in free software
Webserver	No	Yes - function available in free software
Deliver to SensorSpace	No	Yes
Windows .NET drivers	Yes	Yes