

T24-BSu Loadcell Telemetry Base Station



- ✓ Licence free 2.4GHz band
- ✓ Computer interface
- ✓ 2 way wireless system for data integrity
- ✓ USB powered
- ✓ Toolkit software available
- ✓ 1 year warranty

Specification

Parameter	Value	Unit
USB power supply range	4.875 (Min) / 5.0 (Typical) / 5.125 (Max)	V
USB operating current	100 (Min) / 200 (Max)	mA
Licence	Licence exempt	
Modulation method	MS (QPSK)	
Radio type	Transceiver (2 way)	
Data rate	250	kbits/sec
Radio frequency	2.4000 (Min) / 2.4835 (Max)	GHz
Power	10	mW
Line of sight transmission distance	400	m
Channels (DSSS)	16	
USB cable length	1.3	m
Operating temperature range	-20 (Min) / 55 (Max)	°C
Storage temperature	-40 (Min) / 85 (Max)	°C
Humidity	0 (Min) / 95 (Max)	%RH Non condensing
Sealing	IP50	

The base station is a computer interface for the T24 telemetry system that connects to a standard USB port on a computer. It is required for the configuration of all T24 modules.

This is greatly simplified by the free T24 Toolkit software for Windows supplied with the unit. Data can also be captured by the base station from a number of T24 data acquisition modules to provide a computer based wireless data logger. The number of data acquisition units that can be handled by a base station is dependant upon the data rate required. T24 toolkit software is available for set-up and data access using a computer with a Windows operating system, Windows XP, Vista , 7, 8 or 10 is required. The software can output data as a standard csv file for use with a spreadsheet or other data processing software. The licence free 2.4GHz direct sequence spread spectrum (DSSS) radio technology offers high integrity, error free communications which can co-exist with other wireless technologies such as Wi-Fi, Bluetooth® and Zigbee®. CE - Complies with EMC directive, 2004/108/EC. The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC. RoHS compliant.

Order Codes

Code	Description
T24-BSu	Cased telemetry base unit with USB interface.
	T24 manual is available for download. The T24 system can be calibrated in a number of different ways depending upon the application. Please consult our engineering department for help with your requirements.
	Please see Engineering Sheet E035 for Frequently Asked Questions for the T24 Telemetry system.

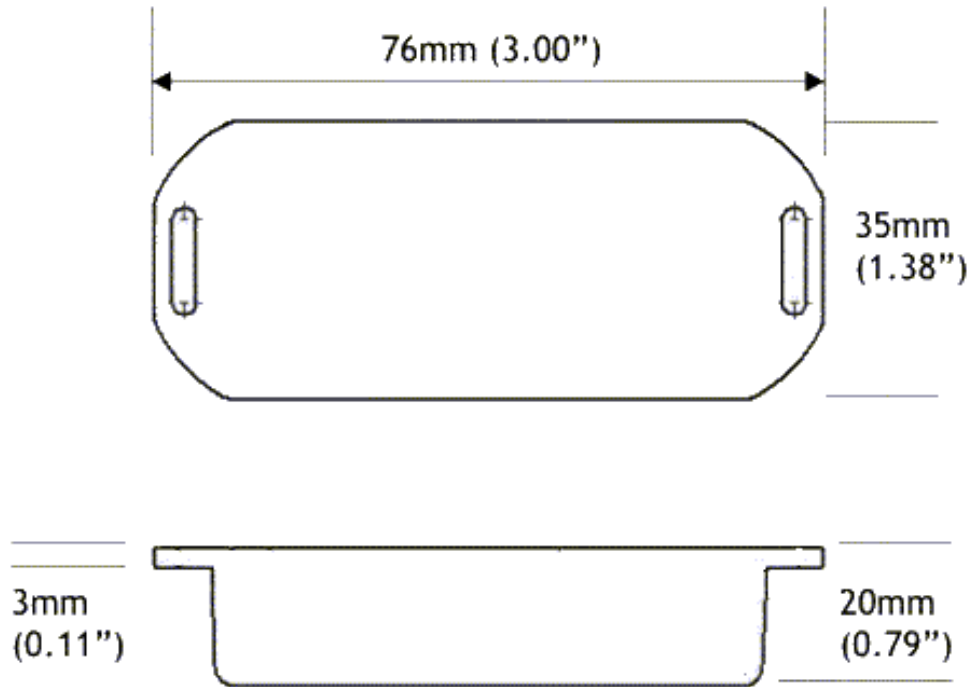
Notes

- Line of sight transmission distance assumes ideal conditions with the data acquisition unit 3m above the ground.
- RH = relative humidity.

Files

Type	Title	Download
PDF Instructions	Printable manual for the T24 system.	Download

Diagram



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