

T24-HS Handheld Telemetry Display Unit

Single Channel

- ✓ Licence free 2.4GHz band
- ✓ Two key operation
- ✓ Very high resolution
- ✓ Battery powered
- ✓ Sealed to IP67
- ✓ 1 year warranty



Specification

Parameter	Value	Unit
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	
Power supply voltage	2.2 (Min) / 3.0 (Typical) / 3.6 (Max)	V
Supply current - active	35 (Typical) / 40 (Max)	mA
Supply current - standby	120 (Typical) / 160 (Max)	µA
Battery life - active	35	hours
Battery life - standby	1.5	years
Case dimensions	H 34 W 90 L 152	mm
Operating temperature range	-10 (Min) / 50 (Max)	°C
Storage temperature	-40 (Min) / 85 (Max)	°C
Humidity	0 (Min) / 95 (Max)	%RH Non condensing

This wireless handheld display module provides an 8 digit LCD reading from a T24 loadcell data acquisition module.

The remote data acquisition module can be powered on and powered off automatically as the T24-HS handheld is operated. Status indicators inform the user if the remote acquisition module has input integrity problems, low battery, low signal, over range or other error. The display can be toggled between gross and a tared value. 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®. This handheld module uses a pair of standard alkaline AA cells and is configured using free T24 Toolkit software which runs on a computer connected to a T24 base station. 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-HS	Handheld battery powered single channel display unit.
	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

- FR = full range
- RH = relative humidity.
- Line of sight transmission distance assumes ideal conditions with the data acquisition unit 3m above the ground.
- The batteries used may reduce the operating temperature range. Storage temperature is without batteries.

Files

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

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