



APPLIED MEASUREMENTS LTD.
Transducer Specialists...

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T24-HS Handheld Wireless Telemetry Display

Key Features:

- Displays Data from One Sensor
- Works with all T24 Telemetry Products
- Very Easy to Use
- Powered by 2x 'AA' Alkaline Batteries
- Up to 40 Hours Continuous Operation
- IP67 Rated
- 8-Digit LCD Display
- Ability to Wirelessly 'Power Off' the Acquisition
- Auto Shutdown
- Tare Function
- Module 2 Button Tactile Keypad
- Worldwide Licence Exempt 2.4 GHz Radio
- 800 Metres Range Maximum



The [T24-HS handheld display](#) is a simple and easy to use 8-digit LED telemetry display providing one to one data display from a single T24 telemetry acquisition module (strain, current, voltage). Input values are transmitted to the handheld via 2.4Ghz radio allowing users to view a digital reading at distances of up to 800 metres.

The handheld display is configured using either a T24-BSu or T24-BSi base station and can power 'off' acquisition modules by a push of a button thereby extending battery life and maintenance costs. If no buttons are pressed on the T24-HS it too will turn off after 5 minutes. It also offers Gross and Tare functionality to allow measurement from a zeroed value when required.

The wide temperature operating range and the robust technology ensures that the module it is not susceptible to harsh physical or electrical environments.

For applications where multiple acquisition modules are being used, the [T24-HA advanced handheld telemetry display](#) can work with up to 12 modules or the [T24-HR](#) for an unlimited number of modules.

Industries:

- Civil Engineering
- Lifting & Handling
- Waste Management
- Alternative Energy
- Construction
- Automotive
- Silo & Weighing Industry
- Marine

Applications:

- Wireless Monitoring of Bridge Structures
- Wireless Monitoring of Anchor Loads
- Wireless Bridge Surveying via GPRS
- Wireless Truck Load Weight Monitoring
- Wireless Skip Weighing System
- Wireless Platform Weighing with Ticket Printing
- Wireless Monitoring of Building Foundations
- Wireless Telemetry Strain Measurement of Wind Turbines
- Remote Load Monitoring of Construction Shoring Struts
- Force Measurement in Formula Racing
- Wireless Silo Weighing
- Superyacht Sail-Track Development
- Telemetry Monitoring on High Altitude Roads
- Radio Telemetry Monitoring of Underwater Turbine
- Wireless Mooring Rope Monitoring
- Wireless Valve Control
- Torque Measurement Using Wireless Technology



Specification:

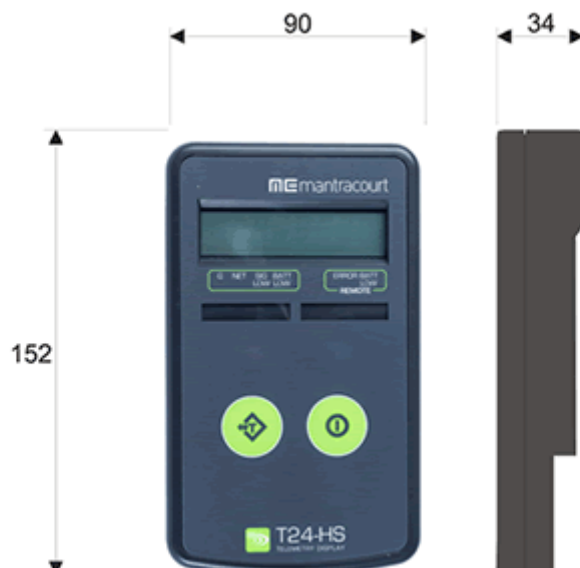
Radio	Min	Typical	Max	Units
Licence		Licence Exempt		
Modulation Method		MS (QPSK)		
Radio Type		Transceiver (2 way)		
Data Rate		250		K bits / second
Radio Frequency	2.4000		2.4835	GHz
Power		10		mW
Range*			800	Metres
Channels (DSSS)		15		

*Tests conducted in an open field site with the transmitter at the top of a 3m pole. The receiver was mounted 1.5m off the ground.

T24-HS	Min	Typical	Max	Units
Power Supply				
Power Supply Voltage	2.5	3.0	3.6	Vdc
2 off AA 1.5V primary cells				
Battery Life (based on 2 Ah capacity batteries)				
Continuous Operation		35	40	Hours
Standby Mode (powered off)		1.5		Years
Active		35	40	mA
Low Power Mode		120	160	µA
Environmental				
Operating Temperature Range	-10	-	+50	°C
Storage Temperature Range (no batteries)	-40	-	+85	°C
Humidity	0	-	95	%RH
IP Rating		IP67 / NEMA 4		

**Check operating temperature of batteries intended for use, as batteries used may have reduced operating temperature range.

Dimensions (mm):





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Ordering Codes:

T24-HS	Wireless Radio Telemetry Handheld Display Single Inputs
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Associated Products:



[T24-ACM Wireless Sensor Module Enclosure with External Power](#)



[T24-ACMi Mini Sensor Enclosure](#)



[T24-ACMm Mini Data Transmitter Case for Strain, 0-20 mA, 0-10 V](#)



[T24-BSi Radio Telemetry Base Station with USB, RS485 or RS232](#)



[T24-BSu Wireless Radio Telemetry USB Base Station](#)