



## TYPE: T24-HA



# T24-HA Telemetry Handheld Advanced Display

## Description

The T24-HA is an advanced handheld display which forms part of the popular T24 sensor acquisition system range. It allows wireless remote viewing of multiple inputs such as strain, voltage or current using 2.4GHz radio. The device provides sleep and wake functionality for all wireless modules thus extending battery life and reducing maintenance costs. The wide operating temperature range and the robust technology ensures that the T24-HA is not susceptible to harsh physical or electrical environments.

The module can operate in two modes:

### Result Mode:

This default mode creates a single resultant by summing the values from up to 12 acquisition modules simultaneously, as well as allowing users to view the discrete values that make up the result.

### Item Mode:

In this mode each acquisition module is treated as a separate entity and the T24-HA is used to cycle through each one.

The T24 Toolkit software offers a fast and simple way to configure the display format, unit conversion, zero adjustment and transmitter selection. A function key can send the displayed value to other receivers such as a printer.

LCM Systems can supply the T24 products integrated into various sensors to form a wireless sensor system. There are several standard products which utilise the T24 range, including the TELSACK, WLL and RILL ranges. Please contact LCM's technical department to discuss your wireless load cell requirements.

## Specification

Internal batteries (2 x 1.5V AA cells)	2.5 to 3.6vdc
Battery life (based on 2 Ah capacity batteries)	35 hours continuous operation
Standby mode (powered off)	1.5 years
Radio type	Licence exempt transceiver
Radio frequency	2.4 GHz
Transmit power	10mW
Range	Up to 800m (2,600ft)
Operating temperature range	-20 to +50 °C
Storage temperature	-40 to +85 °C
Maximum humidity	95% non condensing
IP rating	IP67/Nema4

\* Maximum range achieved in open field site with T24-SA at a height of 3 metres above ground and T24-HA held at chest height pointing towards the T24-SA

## Available Options

- Leather effect carry case

## Features

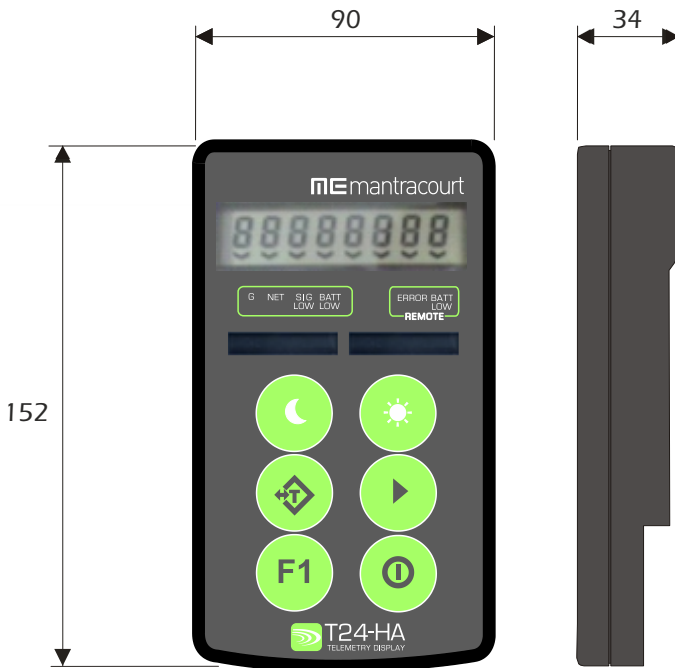
- Capable of displaying up to 12 data inputs
- Summed total of inputs feature
- Auto power on' and 'power off' of remote transmitters
- Very low power consumption for long battery life (35 hours)
- 800 metre (2,600 feet) range maximum
- Simple configuration and calibrated via PC using base station with telemetry toolkit software
- Programmable wireless print capability
- Waterproof to IP67

## Typical Applications

- Wireless load shackles/load links
- Platform weighing
- Vehicle weighing
- Rotating machine force measurement
- Balancing systems
- Simple centre of gravity

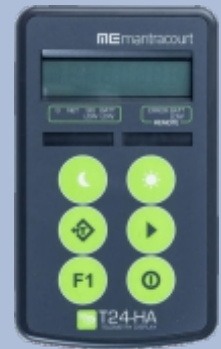
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## Dimensions



All dimensions are in mm

**Note:** Use a pair of alkaline AA batteries. Due to the higher voltage requirements of this device, NiMh or NiCad batteries are not recommended.



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Due to continual product development, LCM Systems Ltd reserves the right to alter product specifications without prior notice.

CE Complies with EMC directive. 2004/108/EC

FC The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC. Family: RAD24

Industry Canada Industrie Canada IC:7224A-RAD24

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APPROVED

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