



## Description

The T24-PR1 is a telemetry enabled printer that is capable of printing and summing values from up to 8 acquisition modules. Designed with a wide input voltage range 9-36V this printer module is suitable for in vehicle applications as well as more static applications.

The PR1 can be supplied with a mains power supply for desktop use, if required.

The printer can be triggered using either software control, a button push or using a T24-HA hand held device. The PC based toolkit allows users to enter up to 8 acquisition module data sources, with an option to sum all 8 components, as well as add text and format the output design.

NOTE: Requires either T24-BSu or T24-BSi for configuration.

# T24-PR1

## Wireless Telemetry Wall Mounting Printer



## Features

- Thermal printer with 112mm (4") Paper width
- Up to 94 characters per line
- High speed Printing (40mm/sec)
- Capable of printing data from up to 8 acquisition modules or a T24-HA advanced handheld module.
- 120metre (400 feet) range maximum
- Text and formatting stored within module
- Full error detection and correction
- Simple configuration via PC using a base station with Telemetry Toolkit software

## Typical Applications

- Vehicle weighing systems
- Vessel weighing systems
- Platform weighing
- On-line quality control

TYPE: T24-PR1

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# Wireless Telemetry Wall Mounting Printer

## Specifications

Electrical	Min	Typ	Max	Units
Power Supply Voltage	9	24	36	V

Power Supply Current	Min	Typ	Max	Units
Active not Printing	-	350	500	mA
During Printing				
Input Voltage of 9V	-	5	8*	A
Input Voltage of 24V	-	2.5	3.75*	A

\* Note these are peak currents of less than 4mS during printing of black areas

Environmental	Min	Typ	Max	Units
Operating temperature Range	-10	-	+40	°C
Storage temperature	-10	-	+60	°C
Humidity	10		90	%RH

General Radio	Min	Typ	Max	Units
Licence	Licence Exempt			
Modulation Method	MS (QPSK)			
Radio Type	Transceiver (2 way)			
Data Rate	250			K bits/sec
Radio Frequency	2.4		2.4835	GHz
Power	1			mW
Range RAD24i (Integrated antenna)				120 (400) Metres (feet)*
Range RAD24e (External antenna)				200 (650) Metres (feet)*
Channels (DSSS)	16			

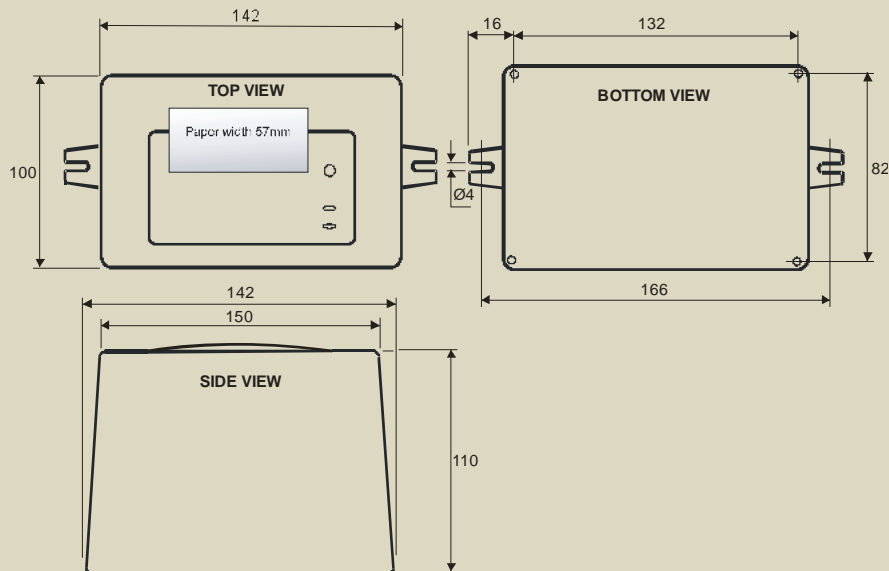
\*Maximum range achieved in open field site with T24-SA at a height of 3 metres above ground and T24-HA held at chest height pointing toward T24-SA

### Product Order Codes

<b>T24-SAi</b>	Strain gauge acquisition module internal antenna	<b>T24-HS</b>	Handheld Reader – simple version
<b>T24-SAe</b>	Strain gauge acquisition module external antenna	<b>T24-HA</b>	Handheld Reader – Advanced version
<b>T24-VAi</b>	Voltage acquisition module internal antenna	<b>T24-BSu</b>	Base Station - USB
<b>T24-VAe</b>	Voltage acquisition module external antenna	<b>T24-BSi</b>	Base Station – Industrial
<b>T24-IAi</b>	Current acquisition module internal antenna	<b>T24-SO</b>	Serial Output Module
<b>T24-IAe</b>	Current acquisition module external antenna	<b>T24-BC1</b>	Battery Charger/Voltage Regulator
<b>T24-SAfi</b>	"Fast" strain gauge acquisition module internal antenna	<b>T24-ACM</b>	Single Channel Acquisition Docking Module
<b>T24-SAfe</b>	"Fast" strain gauge acquisition module external antenna	<b>T24-PR1</b>	Thermal Printer

### Mechanical Dimensions

All dimensions in millimeters



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

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**LCM**  
 SYSTEMS

TYPE: T24-BSi & T24-BSu

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