

HELINAV LOADMASTER

Wireless Load Sensor Handheld Receiver

The wireless **HELINAV LOADMASTER** Handheld Receiver is used in conjunction with the **HELINAV LOADMASTER** wireless Load Sensor. It provides the user with an easy way to receive and view data from the Load Sensor.

Up to 9 **HELINAV LOADMASTER** Load Sensors can be selected from the Handheld Receiver and individually displayed. These Load Sensors can be individually named by plugging the Load Sensor into a PC via USB and using the Load Sensor software. They can then be easily distinguished on the display, which will show the name of the Load Sensor currently being read.

The display shows the name of the current Load Sensor, the load, battery status of readout and Load Sensor and signal strength. By using the menu tree on the readout the user can select which Load Sensor to read, what units to be displayed, tare the data, display peak value and many more functions.

A 9 way D connector is provided to output data via RS232/RS422 and a USB mini B to charge the battery and output data to a PC.

Benefits

- Reads multiple Load Sensors
- Receives data up to a distance of 100m
- Receives data at 10 times a second
- Connect to PC via USB for user setup
- Output data via RS232 / RS422 / USB
- Ruggedized rubber case with back stand
- Long life rechargeable battery powered



Technology

The **HELINAV LOADMASTER** Load Sensor works in the worldwide harmonized band of 2.4 GHz so does not require a licence to operate and uses advanced technologies to enable data to be sent and received error free, these include, forward error correcting and data whitening.



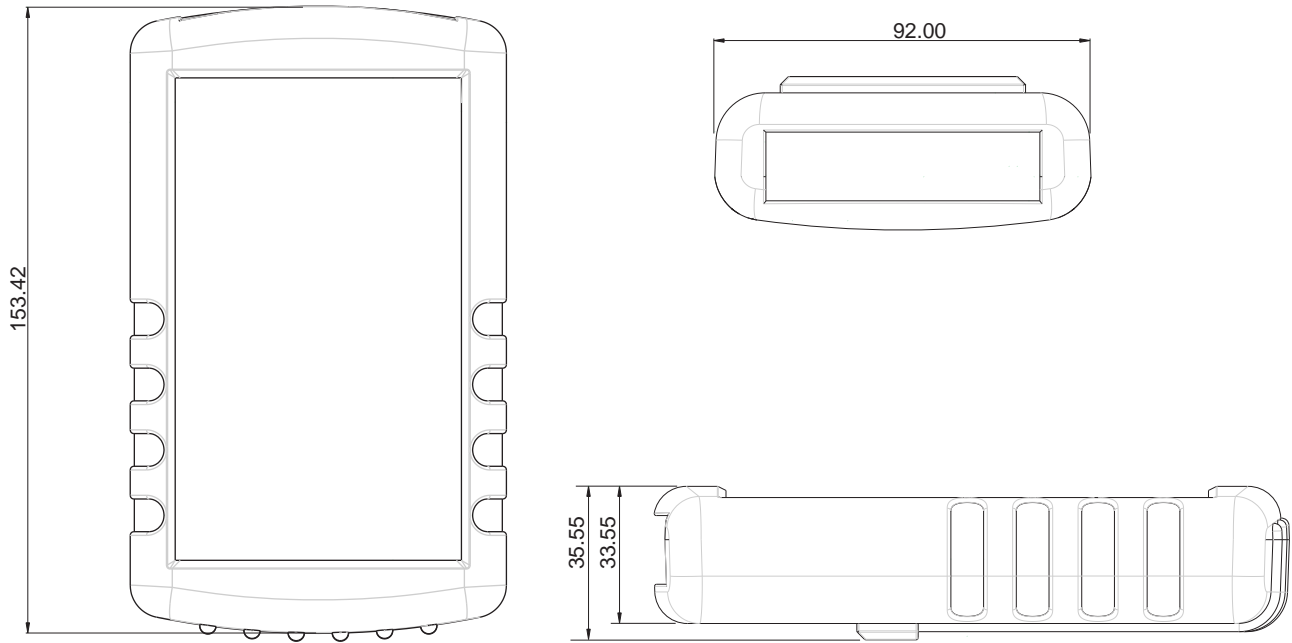
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Mechanical Data



Technical Data

RF

Receiver Sensitivity	-89 dBm		
Frequency Range	2425 - 2430 MHz	20 Channels	250kHz steps
Connector	SMA		

Data output options

	Baud rate	Pin 1	2	3	4	5	6	7	8	9	Connector
RS232	9600	nc	RXD	TXD	nc	GND	nc	nc	nc	nc	
RS422	9600	TX-	TX+	RX+	RX-	GND	nc	nc	nc	nc	
USB mini B		VBUS	D-	D+	NC	GND	N/A	N/A	N/A	N/A	

Power Input

DC

Connector	USB mini B
Voltage	5 VDC

Battery

Type	Li-Ion
Voltage	3.7V 2200mAH
Charge Time	TBC

Environmental Protection	IP54
Weight	350 Gramms
Materials	Plastic
Operating Temp Range	-10°C to + 50°C
Storage Temp Range	-20°C to + 60°C
RFI / EMC	To EN301-489 1

Sensor Technology Ltd reserves the right to change specification and dimensions without notice.