

TPMS PADDOCK SURVEY UNIT (PSU)



Paddock Survey Unit allows Teams to monitor in real time tires pressure & temperature status when the wheels are placed within heating hut or tire blanket to supervise their health in garage area.

Using the sensor list (*.xlm) files from RCU, any PC connected to intranet can monitor the pressure, temperature and remaining battery life of sensors in the immediate vicinity of the pits and displays sensor data in an easy-to-read format on the screen, and alerts engineers in case of tires air leakages or exceeded warning limit.

The system works using whip antennae mounted in the garage to receive wheel unit sensors when placed under controlled temperature. The system has the benefit that all team members can get at all the time wheels health Monitoring without using manual trigger tools to interrogate wheel sensors. The Garage Monitoring System is 100% efficient all day long without human being interaction.

Separate warning limits for minimum pressure, maximum pressure, minimum temperature, maximum temperature and remaining battery life can be set for each wheel. If a sensor falls outside of the specified limits, it is immediately highlighted on the screen, thereby allowing teams to ensure all their tires are in the optimum conditions for the race.

SPECIFICATIONS

ELECTRICAL

- Supply voltage: 9 to 16Vdc
- SMA male connector for external whip antenna
- Supply current 50mA@12V (connected to IGN)
- RJ45 female connector

GENERAL

- Mass 107g
- Size 80mm x 42mm x 20mm
- RED / FCC certification
- Operating Temperature Range - 0°C - +105°
- RF Frequency - 433.92MHz (315 for Japan)