Tr/IPS™

Trailer Inventory and Protection System

TRACKPOINT SYSTEMS

Improve Your Bottom Line

Increase Operational Efficiency

Protect Your Cargo

Features

- Total Solar Recharged Battery Operations - no connection to tractor or trailer for power
- Wireless sensors – load status, trailer doors, temperature, hookup, and more
- On-board geofencing to prevent and report unauthorized movement of trailers
- GSM/GPRS offers lowest power, lowest cost data transmission available
- Easy 15-minute self-installation - no wiring, alterations, special skills or tools needed
- Real time trailer, identification, location and automatic load status notification
- Customer-defined automatic alerts for violations
- International roaming available on all devices
- Simple-to-use web application
- Mapping and historical reporting of trailer activities

Results-focused information

Real-time data allows you to maximize your trailer turns, increase utilization, and quickly locate empty trailers. Know within minutes when a trailer goes from full-to-empty or empty-to-full and help secure against loss and theft – increase margins while minimizing risk.

True Untethered Tracking

Peel-and-stick installation, no wiring to the trailer and no wiring to sensors. The integral solar panel recharges the batteries without wiring to the trailer, and the Tr/IPSNET™ wireless sensor network provides sensor data without cutting holes or running wires. True GPS and GSM/GPRS cellular provides accurate position reports and roaming access on all GSM networks.

Any time, any place information

Access trailer data 24/7/365 through the simple Internet application. Schedule status reports, get alerts, and ping trailers with industry-leading response times. Tr/IPS™ helps you run your operations with efficiency and peace of mind while making smart decisions that positively impact your bottom line.

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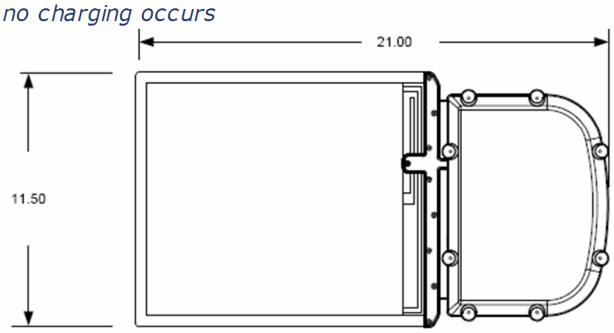
Product Specifications

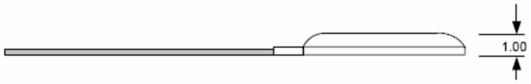
TRACKPOINT SYSTEMS

		Tr/IPS™ STD	Tr/IPS™ XL
Technical Specifications			
GSM/GPRS	Frequency (MHz)	850/900/1800/1900	
	Receive Sensitivity	-106dBm (typical)	
	Transmit Power	Class 4 (2W@850/900MHz), Class 1 (1W@1800/1900MHz)	
	Interface Protocol	UDP / GPRS	
GPS	Channels	12	
	Position Accuracy	1.2m (CEP95)	
	Velocity Accuracy	0.1m/s (RMS)	
	Time Accuracy	20ns (RMS)	
	Time To First Fix	36s (CEP50)	
	Sensitivity (Cold Start)	-141dBm	
	Sensitivity (Hot Start)	-156dBm	
Wireless Sensor Network	RF protocol	IEEE 802.15.4	
	Interface protocol	Proprietary	
	Transmit Power	100mW	
	Max peripherals	1024	
Battery Characteristics	Chemistry	Lithium-Ion	Lithium Iron Phosphate
	Power	3.7V nominal @ 6600mAh	3.2V nominal@3300mAh
	Charge Cycles	300-500	> 2000
Solar Panel Characteristcs	Power	7.2V @ 400mA (full sun), typical 4V @ 100mA (cloud cover)	
Environmental Specifications			
Temperature		MIL STD 810-F: -10C to +65C	
Rain/Moisture		MIL STD 810-F: 4" per hour blowing rain at 40MPH	
Humidity		MIL STD 810-F: 95%RH non-condensing at 30C	
Vibration		IST-3A Over-the-Road Trailer spectrum: 0.53gRMS	
Shock		MIL STD 810-F: 30g @ 11ms, 18 trials repetitive	
Functional Specifications*			
Primary Operating Mode		Always On - 100% to 25% battery	Cyclical wake-up - 30 min or 1 hour
Power save mode		Cyclical wake-up - (2 hour or 4 hour) - < 25% battery	-
Primary Operating Mode battery life**		12-18 days	19-22 days @ 30-min, 28-31 days @ 1-hour
Power save mode battery life**		14-16 days @ 2-hour, 20-22 days @ 4-hour	-
Battery Calendar life		~ 3 years	7-8 years
Fastest message transmission rate		30 seconds	
Geofencing Range		Configurable, 100-10000 meters	
Geofencing Response Time		Configurable, typically 30-min or 1-hr	

**Valid for fewer than 10 messages per day*

***Assuming no charging occurs*





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