

AVE Technology



TPMS

(Wireless Tire Pressure Monitoring System)

The most High-Class color TPMS in the world



Introduction



1 Receiver (Display Unit)

4 ~27 Transmitters
(Tire's sensor)



AVE TPMS SPECIFICATIONS

- **Sensors and transmitter specifications**

- Battery voltage 3.0V
- Storage Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Temperature Resolution $\pm 1^{\circ}\text{C}$



AVE TPMS SPECIFICATIONS

- **Sensors and transmitter specifications (CONT)**

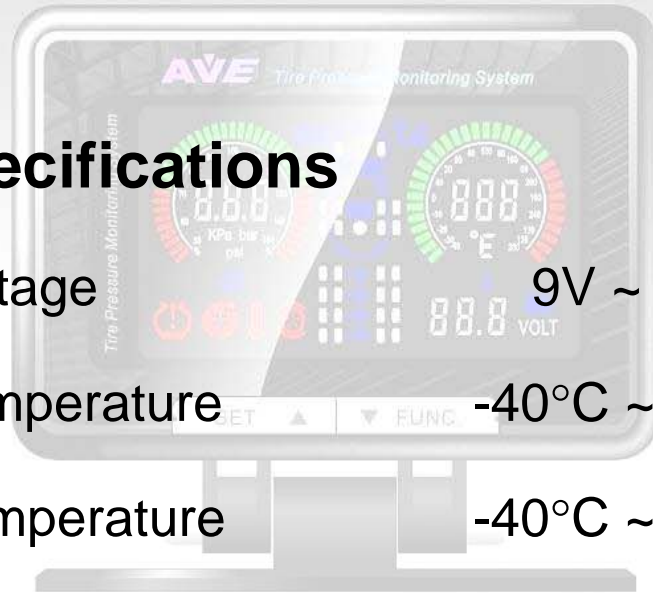
- Pressure range 450kPa/700kPa/1400kPa
- Operating Humidity 100%
- Operating Frequency 433.92 MHz
- Battery life Estimated 5~8 years
(normal operating condition)



AVE TPMS SPECIFICATIONS

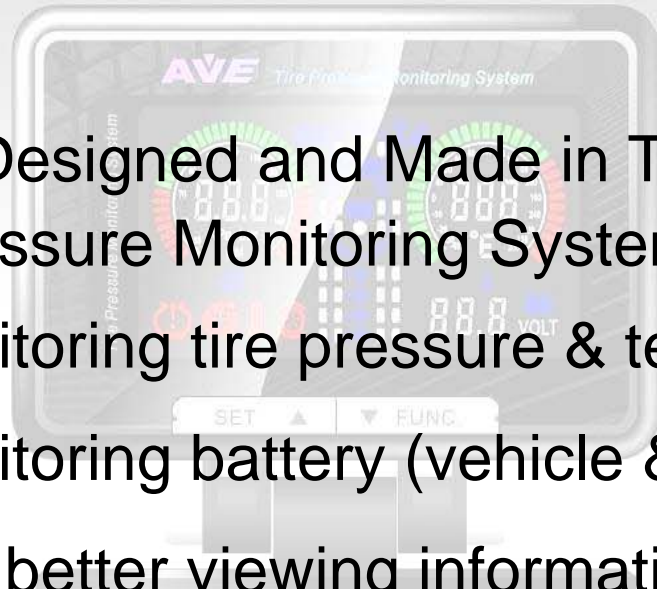
- **Receivers Specifications**

- Operating Voltage 9V ~ 18V
- Operating Temperature -40°C ~ 85°C
- Monitored Temperature -40°C ~ 125°C
- Dimension 8.4 x 5.8 x 2.2cm



Advantages of AVE TPMS

- High Quality, Designed and Made in Taiwan
- Direct Tire Pressure Monitoring System
- Real time monitoring tire pressure & temperature
- Real time monitoring battery (vehicle & sensors)
- Large LCD for better viewing information
- Color LCD (normal and warning condition)
- Programmable vehicle type
- Programmable tire up to 27 wheels









Advantages of AVE TPMS




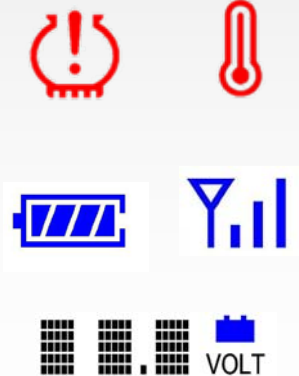

- Option to monitor spare tire
- Use of common valve; easily available any where
- Optional battery pack
- Optional remote control




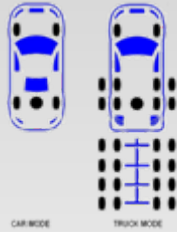

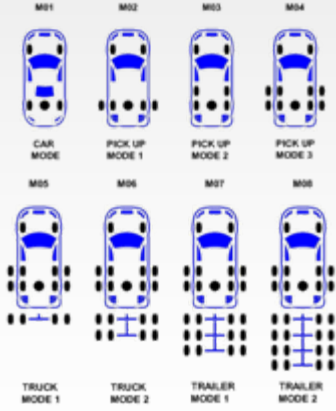

Comparison of AVE TPMS

Comparison	 TPMS	Competitors	Advantages
Display Unit	 <p data-bbox="496 701 719 743">Color LCD</p>	 <p data-bbox="997 544 1092 582">LED</p>  <p data-bbox="944 729 1150 768">Mono LCD</p>	<p data-bbox="1287 491 1487 529">Color LCD</p> <p data-bbox="1287 551 1553 589">Better viewing</p> <p data-bbox="1287 611 1601 649">Easier to identify</p> <p data-bbox="1287 671 1759 709">(normal & warning condition)</p>
Installation	 <p data-bbox="477 1265 712 1303">Easier setup</p>	 <p data-bbox="891 1265 1226 1303">Messy installation</p>	<p data-bbox="1287 976 1645 1015">Ease of installation</p> <p data-bbox="1287 1036 1578 1075">No wiring mess</p>








Comparison of AVE TPMS

Comparison	 AVE TPMS	Competitors	Advantages
Receiver	 Built in display unit	 Separate	Receiver built in No separate installation No wiring mess
Monitoring		 Pressure Temperature	Pressure Temperature Sensor's battery Sensor's signal strength Vehicle Battery

Comparison of AVE TPMS

Comparison	 AVE TPMS	Competitors	Advantages
No. of Tires	 <p>Programmable tires</p>	 <p>Fixed at 4 tires</p>	<p>Programmable tires Up to 27 tires Option spare tire monitoring</p>
Vehicle Type	 <p>Vehicle type selection</p>	 <p>CAR Mode only No selection</p>	<p>Programmable vehicle type Up to 8 vehicle mode No messy programming</p>

Comparison of AVE TPMS

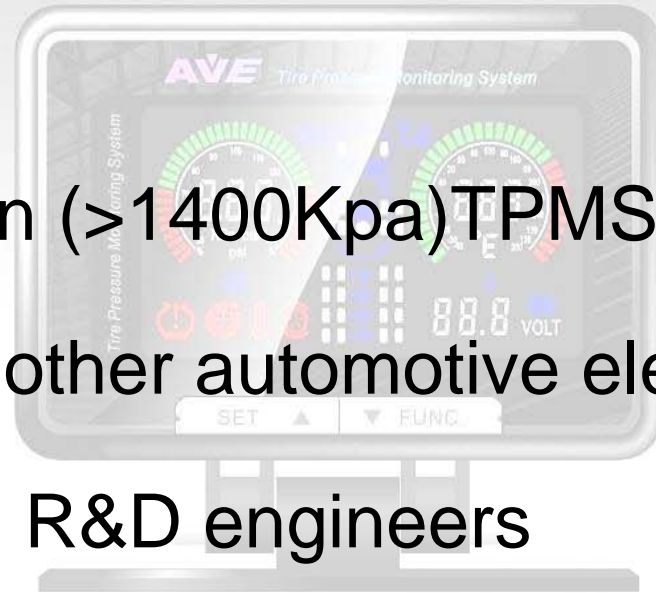
Comparison	 TPMS	Competitors	Advantages
Tire's Sensor	 <p>Patent pending design</p>	 <p>Built in valve</p>	<p>Replaceable Ease of installation Unlike competitor replace all if either valve or sensor is broken propriety valve not easily available</p>
Valve	  <p>Common valve</p>	 <p>Propriety valve</p>  <p>Built in valve</p>	<p>Common valve Replaceable Available anywhere Unlike competitor replace all if either valve or sensor is broken propriety valve not easily available</p>

Comparison of AVE TPMS

Comparison	 TPMS	Competitors	Advantages
Optional Battery Pack			<p>Easier to carry around Useful when tire setup Available as optional package</p>
Optional remote sensor			<p>Easier when setup tire Testing sensor Available as optional package Controlling tire's sensor</p> <ul style="list-style-type: none"> • Sleep mode • Wake up mode • Normal mode • Force transmit signal

Research and Development

- Truck version ($>1400\text{Kpa}$) TPMS in development
- Expand into other automotive electronics field
- Experienced R&D engineers
- Committed in bringing qualities to our product
- Committed in bringing new products to market



Thank You

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video

http://www.youtube.com/watch?v=aMS5VX4_sc

