



The Original in Tire Pressure Monitoring Installation Instructions & User Manual



PRESSUREPRO MOTORCYCLE MONITOR

Monitors and displays pressures for up to 6 wheel locations



SENSORS

PressurePro Sensors screw onto the valve stem, read the tire's pressures and via an RF signal, transmits current pressure readings and low pressure alerts to the Monitor.

PressurePro monitors pressure in tires via electronic Sensors that read pressures and transmit an RF signal (Radio Frequency) to a Monitor which displays those pressure readings. PressurePro Sensors read tire pressure 12,343 times each day (once each 7 seconds) and transmit these updated readings to the Monitor every 5 minutes. Some of these transmissions will be interfered with at times due to the quirks of RF Transmissions. No guarantee of signal reception can be made due to the peculiar nature of RF signals. PressurePro is not meant to function as a pressure gauge or a low pressure indicator. PressurePro is a tire pressure monitoring system that displays tire pressures and which, when a low pressure signal is received, will display low pressure alerts.

PRESSUREPRO DESCRIPTION

PressurePro is a wireless electronic tire pressure monitoring system (TPMS) designed to display tire pressures. PressurePro is capable of displaying current tire pressures on demand, whether moving or stationary. PressurePro is a monitoring system and will not prevent tires from losing pressure or failing. However, low pressure is the leading cause of premature tire failure and PressurePro can provide early notice of potential problems and assist in maintaining proper pressurization in vehicle tires. PressurePro can be used on all pneumatic tires.

PressurePro consists of two basic components: Tire Sensors which screw onto the valve stems of the tires, and a Monitor. The Sensors transmit a coded RF signal and can alert if pressure drops. The Monitor display's each tire's pressure and can alert if tire pressures drop. During an alert, the low tire location light flashes on the Monitor, the wheel location will light and the current pressure reading for that tire flashes on the display. The system can alert at two (2) low pressure levels: 1st alert occurs when tire pressures drop by 12.5% and a 2nd more urgent alert occurs if tire pressures drop by 25%. As with many RF products, signal interference can happen and there are times when interference may prevent a reading.

PRE-INSTALLATION INSTRUCTIONS

When Sensors are installed, they recognize the tire's current pressure as their BASELINE pressure. Tire pressure at the time of installation is important. All tires MUST be inflated to the manufacturer's recommended cold pressures (best time to install is in the morning before vehicle movement). PressurePro tire Sensors should be installed while tires are cool, before driving on tires. Failure to install at this "cool" temperature can cause false alerts. Sensors can be installed after the vehicle is driven but should be removed and allowed to reset the next morning.

Tires and valve stems should be carefully inspected prior to installation of the system to ensure that they are in good condition. Defective valve stems must be replaced. At times, it may be necessary to clean the threads of the stem with a wire brush before installing a Sensor.

The DILL VALVE (the small valve inside the valve stem) MUST DEPRESS FULLY AND RELEASE AIR FOR THE SENSOR TO ACTIVATE. The Sensor may not activate properly if the "Dill Valve" pin is not flush with the end of the valve stem allowing a good interface to the valve stem. It is not unusual to find dill valves installed too deeply which will cause the Sensor to not activate or read properly. The Dill Valve should be centered so it does not slip to one side when Sensor is screwed on. Check the Dill Valve by depressing it using the end of your thumbnail to make sure it releases a strong "gust" of air.

IMPORTANT NOTE: When installing Sensors on vehicles with aluminum valve stems:

PressurePro uses a brass thread and brass and aluminum can chemically bond with exposure to salts and chemicals. When installing PressurePro Sensors on these aluminum stems, dab a small amount of anti-seize or dielectric grease to the threaded end of the valve stem. Remove Sensors at least once (1 time) per month to assist in preventing bonding. ***PressurePro is not responsible for damage to aluminum stems.***

If using valve stem extensions, it is important to tighten extensions securely to the valve stem. Always check the Dill Valves in extensions for proper air release. **After installing Sensors, check for leaks by coating the Sensor, extension and valve stem with a solution of 1 part liquid soap to 2 parts water and look for bubbles which indicate an air leak.**

INSTALLATION INSTRUCTIONS

BEFORE INSTALLING THE PRESSUREPRO SYSTEM, mount the Monitor to a location of your choice *where it does not interfere with motorcycle operations*. **Check that Sensors will not hit or interfere with brake calipers or other parts**. Route the power cable to the ignition switch or battery. (Black wire with grey dashes - POSITIVE. Plain black wire - NEGATIVE.) Wire the Monitor to a switched line of power, so the unit is powered when motorcycle is in the RUN position. When powered, the Green 'ON' LED (under Alert light) will light. After powering the Monitor, prior to programming the Sensors, the unit will briefly flash all LEDs. Immediately following, the Monitor will light the front wheel position and the display screen will show "PRO". Your Monitor is now in Normal Mode and is ready for programming.

- 1. SCREW A SENSOR ONTO THE VALVE STEM** of the tire you desire to install. Within 30 seconds, the Sensor begins to transmit a programming code (which will last for 2 minutes) allowing time to program the Sensor to the Monitor.
- 2. PUT MONITOR IN PROGRAM MODE AND SET LOCATION** by placing the small magnet tool (provided with PressurePro Monitor) below the wheel location LEDs for 4 seconds. 'PROG' LED light on the bottom right of the Monitor will begin to glow. The top tire position will flash at a slow rate. If this is not the position you wish to install, tap the magnet below the wheel location LEDs until you reach the desired location.
- 3. WAIT FOR SENSOR TO SET.** Display will flash "PRO" for approximately 4 seconds before automatically going into "seek mode". A small dash will scroll rapidly "seeking" the Sensor. When Monitor receives the Sensor signal, the pressure will show on the display. Once the pressure reads, the Sensor automatically sets to that tire position.
- 4. TO PROGRAM THE NEXT LOCATION**, screw a Sensor onto the desired wheel location. Move to the desired location on your Monitor by tapping the magnet tool under the wheel location LEDs. If you come to a location on your Monitor that you do not wish to install (PressurePro's motorcycle monitor allows 6 locations) simply skip that location by continuing to *tap* the magnet under the wheel location LEDs until you arrive at desired location. (Repeat steps 1-3 as required until all Sensors are installed.)
- 5. AFTER INSTALLING THE LAST POSITION**, allow the Display to continue to show that position's pressure for approximately 30 seconds. The Monitor will automatically go out of Program mode (the green 'Pro' light will go off). The Monitor is now in Normal Mode and ready to use.

NORMAL OPERATION:

When the Monitor is in normal operating mode, the 'ON' LED will glow Green. When the Monitor is first powered after being off, the display will show 3 dashes (---) for each Sensor installed until refreshed readings are received (can take up to 5 minutes). Once pressures are displayed, the Monitor will continuously display those pressures for each location for 3 seconds, automatically rotating to each programmed position. The 'ON' LED will stay lit to indicate power.

HOW TO GUIDE

HOW TO DELETE A SINGLE SENSOR: If needed, it is possible to delete a single Sensor. Hold the magnet under the wheel location LED's for 4 seconds to put Monitor into Program Mode. When green Program light is lit, select the tire to delete by tapping the magnet under the wheel location LEDs until the desired location is lit. When Monitor goes into "seek mode" (dash scrolls quickly across display) hold the magnet below the LEDs for 4 seconds. "DEL" will appear on display. Remove magnet, then tap magnet once and remove. Deletion is completed.

HOW TO DELETE ALL PRESSURE SENSORS: To delete ALL Sensors programmed, turn off the power to the unit. Place and hold the magnet under the wheel location LEDs while powering up the Monitor. Remove magnet and the Monitor will flash all LEDs and Program LED will light. Tap the magnet to the Monitor until you see "DEL" on display, then hold magnet below wheel location LEDs for 4 seconds. All Sensors will be deleted and the Monitor will go into Program Mode.

PLACING MONITOR INTO PSI/KPA/BAR: The Monitor comes from the factory reading in PSI. If you wish to change to KPA or BAR, do the following: Place the magnet under the wheel location LEDs and power the Monitor. Remove the magnet and the Monitor will flash through all LEDs and Program LED will be lit. Next, tap the magnet under the wheel location LEDs until the desired mode is displayed. When that mode is displayed, remove magnet for approximately 1 minute and the new pressure mode is set. **NOTE:** The display moves from PSI to DEL to BAR to KPA.

LOW PRESSURE ALERT: When the Monitor receives a low pressure alert from the Sensor, it indicates pressures have dropped by 12.5% from the set baseline pressure. The Monitor will also alert a 2nd time when pressure drops by 25% from the initial pressure when the Sensor was installed. When a 12.5% alert is given, the alert LED to right of Display will flash approximately once every 2 seconds and the 25% alert will flash twice per second. In low pressure alerts, the low tire position will flash indicating which tire location is low. After 30 seconds, the alert LED will flash at a reduced brightness. **A tire in an alert situation continues to flash and Monitor scrolls through all tire positions.**

When an alert is given, pull over and check tire AS QUICKLY AS SAFELY POSSIBLE. Immediately fix the tire and fill to the proper pressure.

MONITOR BRIGHTNESS & DIMMING: The PressurePro Monitor will automatically brighten and dim. When light conditions are bright, the Monitor brightens. When light conditions are low, the Monitor automatically dims.

NON REPORTING SENSOR: When the Monitor detects loss of communication with any programmed Sensor, the Monitor displays 3 dashes (" - - -"). Monitor will resume normal pressure readings when the Sensor signal is received.

FREQUENTLY ASKED QUESTIONS

WHAT HAPPENS WHEN I REMOVE A SENSOR TO INFLATE A TIRE? Monitor will display “00” reading. After 5 minutes, the Monitor displays 3 dashes (- - -). Removing Sensors for 60 seconds allows a new “BASELINE” reading to be accepted.

CAN I USE A SEALANT OR EQUALIZER POWDER IN THE TIRE WITH PRESSUREPRO? It’s recommended to use a filtered Dill Valve if using sealants or equalizing substances. Sealant can plug up the valve core and shut off pressures in stems.

DO I NEED TO REBALANCE MY TIRES WHEN USING A SENSOR? The 2/3 oz. Sensors, may require a ½ ounce stick-on balancing weight opposite the Sensor on some tires.

WHEN DO MY SENSORS TRANSMIT?

1. Within 10 seconds of screwing Sensor onto the valve stem.
2. Every 5 minutes while updating, under normal conditions.
3. At a 12.5% drop from baseline pressure and again at 25% low pressure.
4. When a Sensor is removed from its valve stem.
5. When signals are activated by magnet.

AFTER INSTALLATION, PRESSURE READINGS DROP ON DISPLAY – ACTUAL TIRE PRESSURE REMAINS CORRECT. The probable cause is poor interaction between the Sensor and dill valve. Try the following procedures separately, in order, until the problem is resolved: 1) Unscrew the Sensor and again, hand-tighten and listen for the release of air to the Sensor. Be sure the Sensor and valve stem are not cross-threaded. (Make sure the proper dill valve is installed in your valve stem and that the dill pin is flush with the end of the valve stem.) 2) Replace the dill valve if necessary. 3) If condition persists, contact your Distributor/Dealer.

SPECIFICATIONS

SENSOR

Sensor Transmit Range	Approx. 35 feet (Line-of-Sight)
Operating Frequency	433.92 MHz FM
Operating Temperature Range	-30°C to +85°C
Sensor Weight	2/3 oz. or 18.9 grams
Sensor Dimensions	1.01" H x 1.11" Dia.
Sensor Batteries	Internal, non-rechargeable
Sensor Pressure Range	10-199psi, 68- 999 kPa, 1-13.7 BAR (+/- 5% range)
Sensor Low Voltage Shutdown	2.2 Volts

MONITOR

Power Requirements	12V DC; typically draws less than 100mA
Monitor Dimensions	3.6"W x 1.5" H x .8" D
Monitor Weight	2.5oz.
Monitor Power Cord Plug Type	3.5x1.35mm Barrel connector – 6 ft.
Monitor Tire Positions	1 to 6 wheel positions
Sensor Alarm Trigger Settings	12.5% and 25% below baseline pressure.

PressurePro systems comply with Part 15, Class B of the FCC Rules.
US Letter Patent # 6,453,737

PRESSUREPRO SYSTEM NOTES

PressurePro Sensors sample tire pressures once every 7 seconds and update the Monitor every 5 minutes. PressurePro, upon sensing a low tire pressure situation at 12.5% and again at 25%, will alert immediately

Once the Monitor is programmed, it retains all programmed settings. Turning off the vehicle or removing power from the Monitor will NOT delete settings.

When a Sensor is installed, it records the tire pressure at that time as its BASELINE pressure. If you remove and reinstall a Sensor while the tires are warm, the Sensor will record the elevated WARM pressure when reinstalled as its new BASELINE from which to trigger alerts. If possible, reinstall the Sensor when the tire is cool and at the manufacturers specified cold pressure. Cold temperatures and high altitudes reduce tire pressures. If a tire is close to its low pressure, an alert can sound **when the temperature drops**. To correct this problem, remove Sensor (for 60 seconds) and inflate tire to the manufacturer specified pressure in the morning before running tires.

A visual inspection of tires on a regular basis is recommended. PressurePro does not PREVENT low tire pressure – but it can alert if tire pressure becomes low, allowing corrective action to be taken. A damaged Sensor or valve stem can cause pressure loss. Inspect regularly. If repeated faults are observed, remove Sensor and have the tire examined by a professional tire dealer.

Tires can fail for other reasons besides low pressure and overloading. Always be on the alert for any problems as indicated by vibration, uneven tread wear, or bulges on the tire! If any of these symptoms occur, have the tires checked IMMEDIATELY!

IMPORTANT:

When an alert is given that one or more of your tires is under-inflated, stop and check your tires as soon as possible and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency, tire tread life and may affect the vehicle’s handling and stopping ability. Each tire should be checked monthly. Check pressures when tire is cold and fill to the recommended inflation pressure as specified on the vehicle or in the owner’s manual.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

PressurePro is a device meant for monitoring and displaying tire pressures. As with all devices that use RF signals, the signal can be interrupted. PressurePro has been designed to work optimally to overcome the interference that can block signals. As with most RF products, no guarantee of signals can be made.

LIMITED WARRANTY

ONE YEAR LIMITED WARRANTY: Subject to the limitations and exclusions set forth in this Limited Warranty, PressurePro is warranted by Advantage PressurePro, LLC (hereinafter "APP") against defects in material or workmanship that result in a product failure during the one-year period following the date of purchase. This Limited Warranty applies only to claims made by the original end user (hereinafter "you") and cannot be assigned, transferred or conveyed to any subsequent users.

EXCLUSIONS FROM COVERAGE: This Warranty does not apply to any claims arising from misuse, abuse, unauthorized repair or alteration, circumstances where PressurePro is improperly installed or improperly wired contrary to PressurePro product instructions; or damage or defect attributable to fire or other casualty, including, without limitation, acts of God or exposure to abrasive or corrosive materials or pollutants, or attributable to collision or other accidents involving vehicles upon which the PressurePro is installed. Removal or alteration of labels voids product Warranty. Only PressurePro accessories may be used with PressurePro products. The use of other accessories with PressurePro product is prohibited and can damage the PressurePro product. Warranty problems caused by use of accessories not supplied by APP will not be covered under the warranty.

LIMITATIONS: APP expressly limits the applicability of the implied warranty of merchantability and the implied warranty of fitness for a particular purpose to the one-year warranty period as provided herein. Some states don't allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

To the extent permitted by state law, the remedy of repair or replacement discussed below is the sole remedy available to the end user under this Limited Warranty. **THIS LIMITED WARRANTY SPECIFICALLY EXCLUDES ALL INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.** To the extent permitted by state law, APP's liability for PressurePro will not exceed the purchase price paid for the product.

NOTICE: This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

EXCLUSIVE AGREEMENT: To the extent permitted by state law, this One Year Limited Warranty is a complete and exclusive statement of the warranties, which apply to the PressurePro; there are no express or implied warranties beyond those expressly stated above. No employee, agent, dealer or other person is authorized to give any warranties on behalf of the APP, except as authorized in writing.

STATUTE OF LIMITATIONS: To the extent permitted by state law, in purchasing the PressurePro you agree that any action for breach of contract or warranty must be commenced within one year after the cause of action has accrued.

PROCEDURE: In the event that a product failure covered by this warranty occurs while this warranty is in effect, APP will, at its option, either: (a) repair the defective unit; (b) replace the defective unit with a new unit; or (c) replace the defective unit with a refurbished unit. APP will ship your repaired, new, or refurbished unit to you without charge for parts, service, or any other cost (except shipping and handling) incurred by APP or its representatives in connection with the performance of this warranty. Failed units covered under this warranty must be sent by you to APP with shipping prepaid by you. You are responsible for all costs incurred in the removal, reinstallation, and shipping of the unit. A copy of the sales slip received by you at the point of purchase of the unit must accompany the returned unit. Call APP for Warranty Return Authorization.

TIRE PRESSURE MONITORING SYSTEM



CORPORATE OFFICES:

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FOR ORDERING OR TECHNICAL ASSISTANCE, CONTACT YOUR DEALER.

WARRANTY AUTHORIZATION:

FOR RETURN AUTHORIZATION ON WARRANTY ISSUES
CALL PRESSUREPRO TOLL FREE: 800-959-3505

IMPORTANT: Please return your warranty card to PressurePro (to address above) to register and activate your warranty. Customers must retain their original purchase receipt as a copy will be required for warranty or service work on your PressurePro product.



Developed and Manufactured in the USA