



# Hamaton

Innovation to Perfection

**TPMS Product Brochure**



## ABOUT HAMATON

**H**amaton Automotive Technology Co., Ltd. is a world-leading manufacturer of tire valves and tire pressure monitoring system (TPMS) products for the OE and aftermarket. Hamaton Inc. operates as a specialist distribution center, enabling the company to deliver its comprehensive product range to businesses across North America.

## TPMS PRODUCT RANGE

The product range, manufactured in an OE environment to the most exacting standards, includes the U-Pro family of sensors, replacement parts and workshop tools. Hamaton also offers a collection of diagnostic tools developed in partnership with ATEQ, such as the H57 and Hybrid HT.

## UNIVERSAL SENSORS



### The 1st Program-by-Phone Sensor



#### What Sets this Sensor Apart?

The U-Pro Hybrid NFC is the first NFC-enabled universal sensor users can program with their smartphones.\*

This innovative solution is well-suited for tire supply distributors, tire dealers and auto part stores alike.

#### What is NFC?

NFC is a short-range wireless technology that allows compatible devices to communicate. Its most common use on a smartphone is making quick and easy payments with Apple Pay or Google Pay.

## NFC Benefits & App Features

### Rapid Programming

The app can program Hybrid NFC sensors in a tap, outperforming diagnostic tools.

### Two Ways to Program

Create a new ID and use any diagnostic tool to relearn a vehicle. Alternatively, manually enter an existing OE sensor ID and skip the relearn process altogether.

### Zero Interference

Users can rest assured they have programmed the correct sensor thanks to the short-range transmission of NFC.

### Free to Download & Update

Say goodbye to subscription fees and manual updates. The app updates itself, so users do not have to! \*\* As a result, the latest vehicle coverage is always at your fingertips.

Additionally, the Hybrid NFC boasts the same features as the Hybrid 2.5 (page 3).

**Dual Valves:** [HTS-A78ED](#)

**Silver Clamp-In:** [HTS-A78EH](#)

**Snap-In:** [HTS-A78EG](#)

**Black Clamp-In:** [HTS-A78EK](#)

\*Available for NFC-enabled Android phones and the iPhone 7 or newer with a minimum of iOS 15.

\*\*Mobile data or a Wi-Fi connection is required. Apple users must select Remote from the settings menu.



🔍 Hamaton NFC



### The Only 1-SKU Solution

- **Configurable:** configure in 1-3 seconds, as protocols covering a high percentage of vehicles are stored on the sensor
- **Programmable:** add new protocols as they become available, future-proofing stock
- **Dual Frequencies:** 315 and 433 MHz
- **Dual Valves in 1 Box:** swap between a Snap-In and a Clamp-In
- Compatible with ATEQ manufactured diagnostic tools
- LOS, WAL, PAL, SAL and WASP auto-location technologies
- Powerful Maxell battery and the latest NXP chip
- 3-year sensor warranty\*

**Dual Valves:** [HTS-A78DD](#)

**Silver Clamp-In:** [HTS-A78DH](#)

**Snap-In:** [HTS-A78DG](#)

**Black Clamp-In:** [HTS-A78DK](#)

\*While sensors have a 3-year warranty, valves are warranted for two years. To uphold the sensor warranty, you must service the valve every time the tire bead is broken.

## VALVE OPTIONS FOR HAMATON SENSORS



**Snap-In:**  
[6-207](#)



**Silver Clamp-In:**  
[6-266B](#)



**Black Clamp-In:**  
[6-266B-BK](#)



**Graphite Clamp-In:**  
[6-266A-SH](#)

The Hybrid NFC and Hybrid 2.5 have four valve stem options: the most popular aftermarket Snap-In and three Clamp-In valves designed to complement the alloy wheel finish.

Clamp-In valves are anodized, and all valve cores have nickel plating to strengthen the corrosion resistance. The Clamp-In nut can be removed/attached over the cap to accelerate sensor installation and includes an anti-scratch washer to protect the wheel surface when tightening.

## TESLA BLE SENSOR



The U-Pro Hybrid BLE is a direct replacement for the Sysgration BLE (Bluetooth Low Energy) sensor used by Tesla vehicles. This aftermarket solution also employs BLE to alert the ECU when tire pressure drops and is pre-programmed, enabling technicians to skip the programming step.

### Coverage:

- Tesla Model 3 (Oct 2020+)
- Tesla Model S (Jun 2021+)
- Tesla Model X (Oct 2021+)
- Tesla Model Y (Oct 2020+)

**Black Clamp-In:** [HTS-B10BN-US](#)

**Graphite Clamp-In:** [HTS-B10BP-US](#)





# REPLACEMENT PARTS

Hamaton offers the largest selection of replacement parts (valves and service kits) in the market, which can be ordered in boxes of 10 or as part of the Starter Kit.

## What Causes a Valve to Corrode?

Galvanic corrosion can occur when valves are subject to road dirt and salt. Therefore, climate or location (e.g., beside the coast) can impact the number of corroded valves tire shops encounter. A chemical reaction causes the nut or valve core to bond with the stem and rubber components. Slow leaks are a common consequence, resulting in customer comebacks – costing time and money. Figure 1 demonstrates what may happen if valves are not serviced.

## When Do Valves Require Servicing?

OE manufacturers recommend servicing valves every time the tire bead is broken, e.g., during a tire repair or replacement.

## What are the Benefits of Servicing Valves?

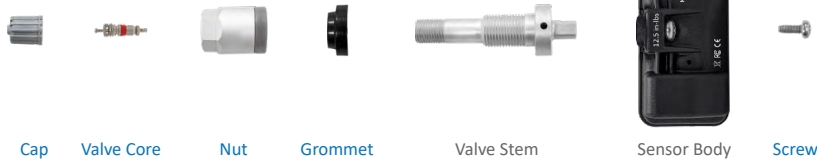
Servicing can extend the sensor's lifespan (avoiding unnecessary replacement costs) and maintain its functionality, which ultimately:

- Saves money by increasing fuel economy
- Improves vehicle handling and road safety
- Reduces premature tire wear
- Reduces a vehicle's CO<sub>2</sub> emissions

## What Parts of the Valve Need Replacing During a Service?

The components that require replacing are highlighted in blue:

### Clamp-In Valve



### Snap-In Valve



Fig 1.  
New Valve vs  
Corroded Valve



# ESSENTIAL TOOLS FOR SERVICING

The Tool Kit and Carry Case is an essential piece of equipment for tire shops, as it contains all the tools required to service valves successfully.

- The tool range is compatible with every valve in the market
- Overcome varying torque settings among valves and service kits by having the correct tool to hand, reducing the risk of damage

## Contents:

- Calibrated Torque Tool, including:
  - o 7 mm, 11 mm and 12 mm hex sockets
  - o T10, T15 and T20 Torx bits
- Valve Core Torque Tool
- Grommet Removal Tool
- T6 Torx Screwdriver



PN: 6-313



# STARTER KIT

With 32 valves and 32 service kits (for OE and aftermarket sensors), the Starter Kit alleviates worries about not having the correct replacement parts.

For extra convenience, tire shops can order the contents of the Starter Kit in individual boxes of 10 as required.

## Find the Correct Replacement Parts Online

The Hamaton website is home to a Vehicle Look-Up tool designed to help users quickly identify replacement parts for a vehicle. Just enter the make, model and year of manufacture to begin.

 [www.hamaton-tpms.us.com](http://www.hamaton-tpms.us.com)

## DIAGNOSTIC TOOLS

### Standard Features

- Read and activate 100% of OE and aftermarket sensors
- Manually enter IDs and copy a set of wheels
- Retrieve IDs from the ECU
- Unlock the ECU (necessary for Lexus and Toyota models)
- Manual relearn procedures
- Change tire pressure placard value
- ATEQ's Live Sensor platform (update sensor information in real-time)
- ATEQ's Sync-ID technology (relearn over 90% of vehicles via OBDII)
- Test Remote Key Entry (RKE)
- Look up sensor part numbers
- Easy-to-use icon-driven navigation and comprehensive language selector
- Two-year warranty

### Additional Features Per Diagnostic Tool

#### ATEQ VT67

- 8" color touchscreen
- Configure/program all popular universal sensors
- Two-year software subscription
- Update via Wi-Fi
- Capture images of vehicle parts
- Email service records
- Storage: 12GB
- Retrieve DTCs
- ID Match (compare sensor IDs to IDs on the ECU)
- Record DOT codes (date and place of tire manufacture)
- Measure tire tread depth\*
- Scan Vehicle Identification Numbers (VINs)
- Vehicle databases: North America, Europe, Japan and Australasia
- OBDII port locations
- Integrated OBDII module (connector included)



PN: ATE-D084



PN: HAM-D065

#### Hamaton H47

- 2.8" color display
- Configure/program U-Pro Hybrid generations
- Five-year software subscription
- Vehicle databases: North America and Europe
- Integrated OBDII module (connector included)



PN: HAM-D076

#### Hamaton Hybrid HT

- 2.8" color display
- Configure/program U-Pro Hybrid generations
- Five-year software subscription\*
- Update via Wi-Fi
- Store up to 800 service records
- ID Match (compare sensor IDs to IDs on the ECU)
- Measure tire tread depth\*\*
- Vehicle databases: North America, Europe and Australasia
- Integrated OBDII module (connector included)



PN: HAM-D081

#### Hamaton H57

- 4.3" color touchscreen
- Configure/program U-Pro Hybrid generations
- Five-year software subscription\*\*
- Update via Wi-Fi
- Store up to 800 service records
- Retrieve DTCs
- Record DOT codes (date and place of tire manufacture)
- Measure tire tread depth\*
- Scan Vehicle Identification Numbers (VINs)
- Vehicle databases: North America, Europe, Japan, Korea and Australasia
- OBDII port locations
- OBDII module and connector included



### TIRE TREAD DEPTH GAUGE

PN: ATE-D027

This ergonomic tool accessory quickly captures three precise measurements (inner, center and outer) of up to seven tires per vehicle.

Besides improved road safety, identifying a worn tire enables tire shops to upsell a replacement.

Compatible with the following diagnostic tools: VT67, H57 and Hybrid HT.



\*Gauge sold separately.

\*\*The five-year software subscription will be replaced by a year-long license, starting when users upgrade the universal sensor coverage.

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\*\*Gauge sold separately.



## UNIVERSAL SENSOR UPGRADE

Upgrade your Hamaton diagnostic tool to unlock compatibility with other popular sensor brands, such as ALLIGATOR Sens.it, BH SENS IntelliSens, MAX Sensor, SCHRADER EZ-sensor and VDO REDI-Sensor.

**H57:** [HAM-D086](#) | **Hybrid HT:** [HAM-D078](#)

The five-year software subscription will be replaced by a year-long license, starting when users upgrade the universal sensor coverage.

## SOFTWARE UPDATES

Having a valid software subscription and keeping diagnostic tools updated is essential. Software updates provide new features and increased coverage meaning tire shops can service more vehicles.

If your software licence has expired or is ending soon, contact us to discuss your options.

Install WebVT to download the latest software update. VT67, H57 and Hybrid HT users can perform subsequent updates via Wi-Fi.

[www.hamaton-tpms.us.com/webvt](http://www.hamaton-tpms.us.com/webvt)

## SPECIAL OFFERS

Buy in bulk and save with TPMS bundles, customised to meet individual business needs. Contact us for more information.

✉ [info.usa@hamaton-tpms.com](mailto:info.usa@hamaton-tpms.com)

## INDUSTRY-LEADING TECHNICAL SUPPORT

Have a car in the bay and need urgent advice? Do not panic! Hamaton is at your service. Speak to a trained Michigan-based TPMS specialist you can trust seven days a week.

**Mon to Fri:** 8 am to 10 pm | **Sat:** 9 am to 8 pm | **Sun:** 10 am to 7 pm  
Eastern Standard Time (EST)

☎ (888) 588-7039



## ONLINE SUPPORT

On our website, visitors will find answers to the most asked questions surrounding TPMS and a downloads page, including fitment instructions, how-to guides and product comparison charts. Scan the QR code to visit this page.

**Unlock Exclusive TPMS Info Plus Much More with Just a Login**

As well as up-to-date coverage of our TPMS product range, users can take advantage of step-by-step relearn procedures for countless vehicles. This industry-leading data will be a blessing to anyone fitting a new sensor and help ensure the vehicle's TPMS is in good working order.

## LET'S STAY CONNECTED

Follow our social media channels and be among the first to hear the latest company and product news.

Are you looking to expand your knowledge of TPMS? Make sure you subscribe to the Hamaton TPMS Global YouTube channel for regular tutorials.



Visit the  
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