T.P.M.S.
Tire Pressure Monitoring System

More than 40 years at your service

soderel

ATEQ

Version 07/2024

T. P. M. S.




ATEQ et SODEREL associate their competences and their know-how in the fields of measuring and automation technology in order to come up to car manufacturers's expectations as regards T.P.M.S. (Tire Pressure Monitoring System).

Main Features

. Installation intended to allow identification of the codes of wheel valves, which communicate with the vehicle's computer.

. Installation made up of a switch cupboard and of high frequency antennas allowing the activation of the valves.

. Installation able to treat all vehicles assembled on the same line.

. The antennas allow to activate the valves and to recover their identifiers.

. Functions of the automation allow the automatic identification of the vehicle and the recovery of the informations associated with this one by a communication with the factory network. At the end of the cycle, the cycle data are transferred to the factory network.

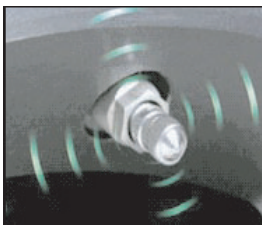
. Frequency of activation: 125 KHz

. Range: adjustable from 20 cm to 1m50. Maximum cycle time 60 seconds.

. Power of emission: about 250 A/m

. Reception AM/FM: 433 and/or 315 MHz

. Storage of a complete production cycle



Parallel to the industrial solution there is an after-sales solution for the garages and concessions: the range ATEQ-DIAG.

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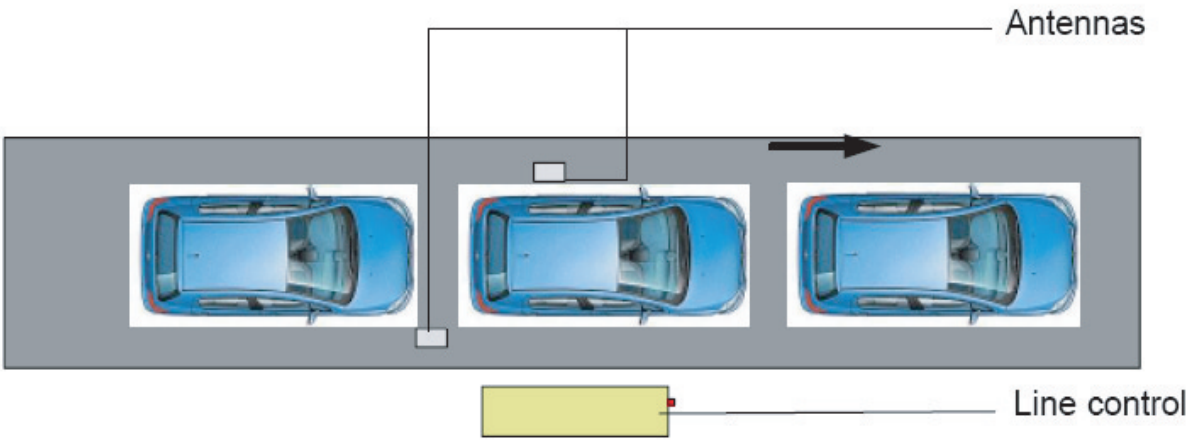
Installation example



Flow description

. Recovery of the vehicle's identifier
. Dialog with the factory network for the recovery of the cycle parameters
. Detection of the right front wheel (the cycle varies according to the antenna installation)
. Excitation of the wheel's valve by the antenna
. Recovery of the valve's identifier
. Detection of the left front wheel
. Excitation of the wheel's valve by the antenna
. Recovery of the valve's identifier
. Detection of the right back wheel
. Excitation of the valve of this wheel by the antenna
. Recovery of the valve's identifier
. Detection of the left back wheel
. Excitation of the wheel's valve by the antenna
. Recovery of the valve's identifier
. Emission of the cycle report towards the factory network
. Storage of the cycle data in the PLC

ATEQ-DIAG VT:
Repair device allowing the operation of training of the automobile computer