

Tyre pressure measurement



The Atrium pressure measurement device is a relatively cheap solution to be aware of the current air pressure of each tyre. It is available in different variations (max 4.2 to 13 bar, 4 to max 18 sensors for trucks). Costs for a simple equipment (5 sensors) run in the range of 220 CHF. According to the manual, it operates between -20 and +80 degrees Celsius (I never used them that far). Various warning levels can be programmed. (over pressure, under pressure, temperature of tyre). The device can be run on 2 AAA batteries or directly at 12 volts. The tyre sensors that are screwed on the tyre valve are equipped with a theft bracket. Each one of them uses stringently a battery (type CR 1632 – commonly available) to send their impulses to the main unit.



My experience with this measurement unit are good so far. There were no glitches even when crossing creaks. However, the included mounting arm is of plastic and therefore does not qualify for offroading. I replaced it with an aluminum bracket which can be easily attached on the rear side of the instrument. It is important to know that the vehicle has to move until some measurements are displayed. This has the advantage that the batteries in the sensors are not strained while the car is parked. The manual here is somewhat meager and I lost some time in trying to detect some malfunction until I got it.



I am not a friend of battery driven devices. After a certain time they have to be replaced (eg. after winter). In general they don't work exactly when they should. In this case however I don't see an alternative to this cost-efficient solution. What I also like is the fact that the sensors can be attached to all kinds of tyres (tubeless or with tube). Service is simple and the exchange of the batteries easy. Only disadvantage is that the sensors must be removed before inflating the tyres. It depends whether you secured them or not. In the latter case they can be removed like any other cap piece. If you engaged the theft security you need to unscREW them with an allen wrench and that can take some time.