PRODUCT CATALOGUE

digiCAN

In this product catalogue you will find a system specifically designed for agility. This system is a technological project prepared for your training and competitions.

Catalogue 2020

www.oito.es

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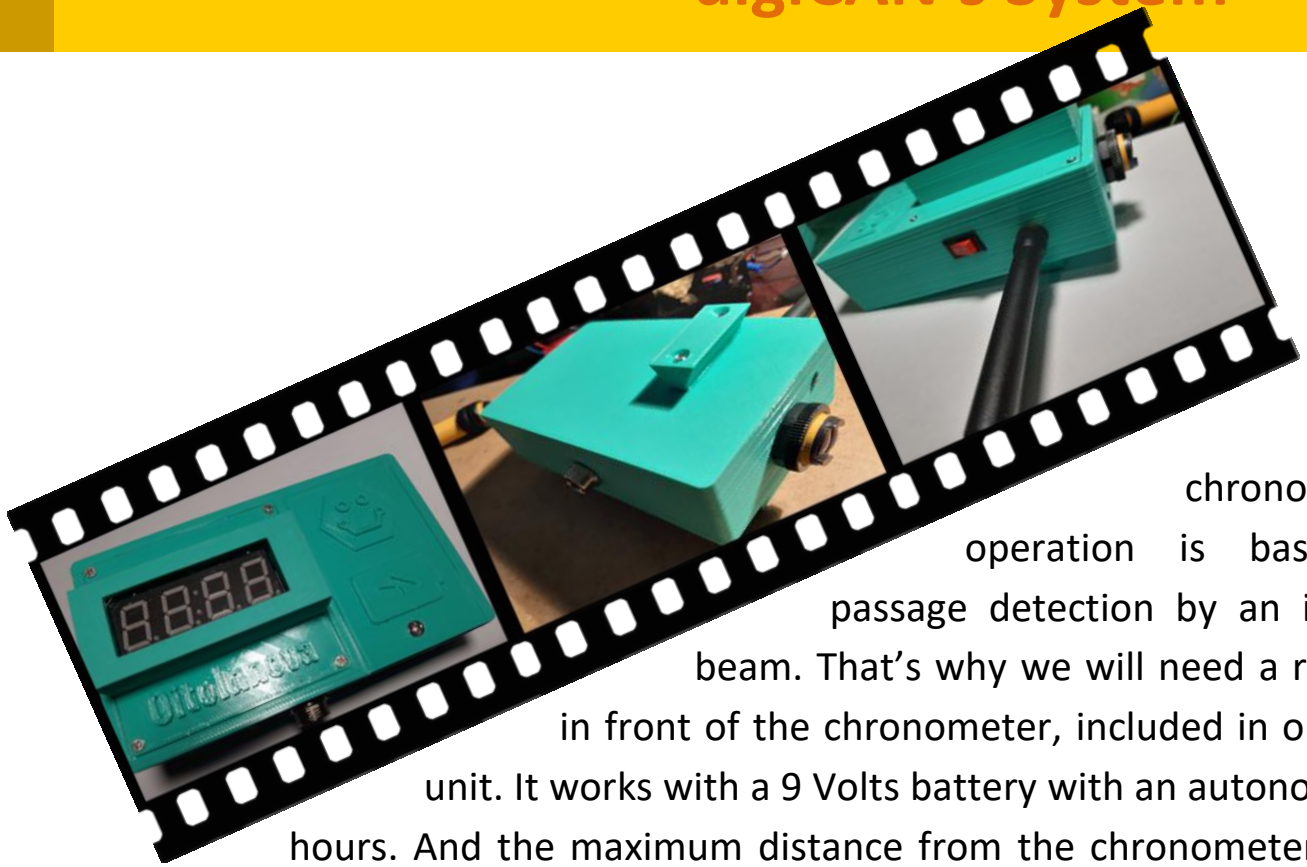
From OitoInnova we want to complete our project with a small description of digiCAN's system, so you can have more information about it

All of our devices have been designed, manufactured and tested manually, using 3D printing for each of them. Also, in order to offer a low price, we manufacture on demand.

If you want to check the updated catalogue, please visit ***www.oito.es***

Thank you.

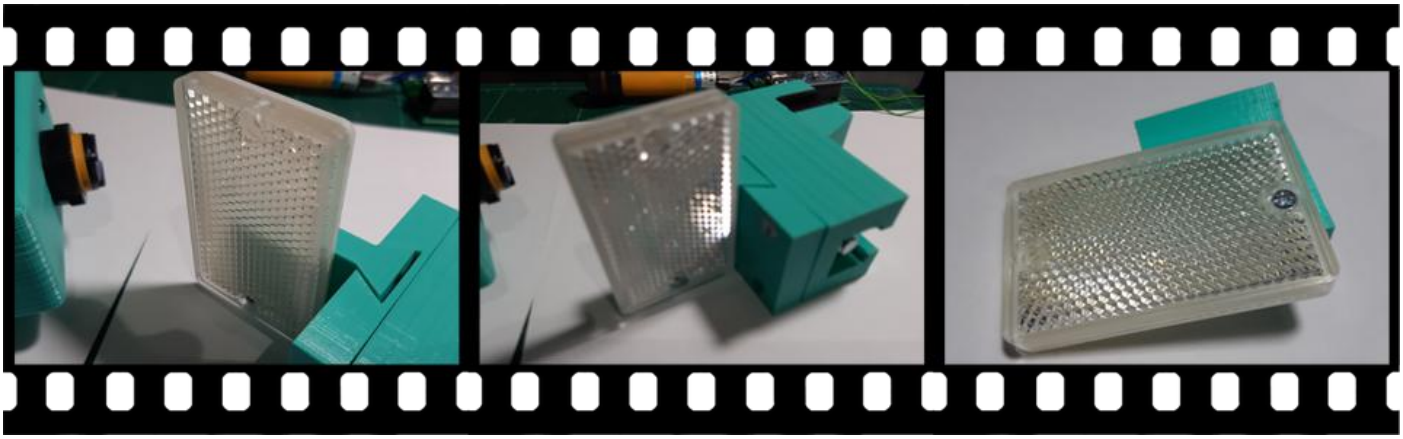
System's soul



Our chronometer's operation is based on passage detection by an infrared beam. That's why we will need a reflector in front of the chronometer, included in our basic unit. It works with a 9 Volts battery with an autonomy of 7 hours. And the maximum distance from the chronometer to the reflector is 2 meters.

The chronometer is able to work as input and output or input or output. And it syncs up wirelessly with other devices of the system..

In case that you want to know more about this, you can watch our tutorials at **www.oito.es**.



Infrared sensor

The dog's passage detection takes place through an infrared beam sensor that has a reflector in front of it.

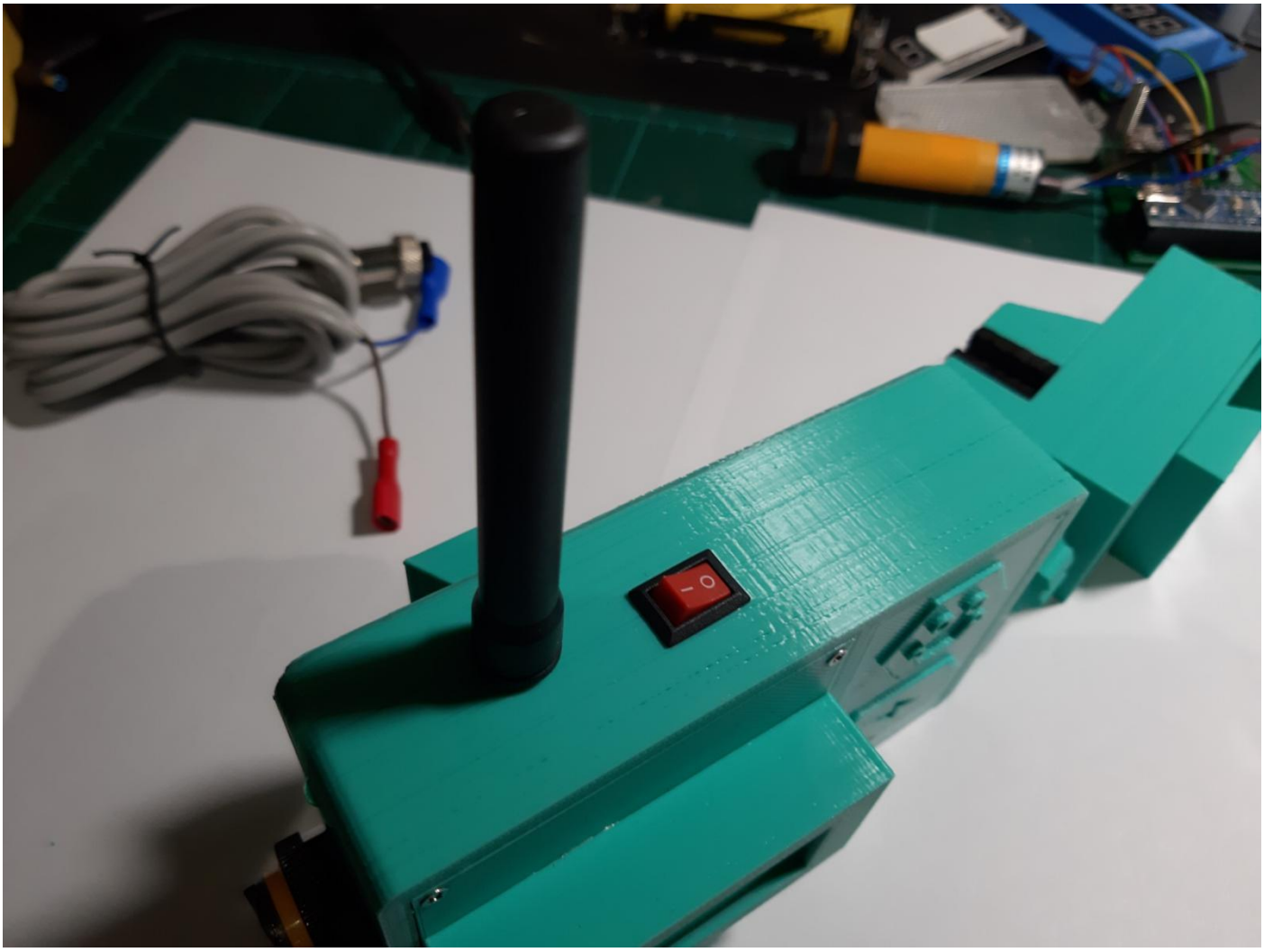
These sensors are high precision sensors used in big robotic systems of production chains, and they have fast detection capacities.

The maximum distance from the chronometer to the reflector is 2 meters.

To start using the chronometer, we have to align both the sensor and the reflector. The system has a light signal that will help us to know when we have achieved the alignment.

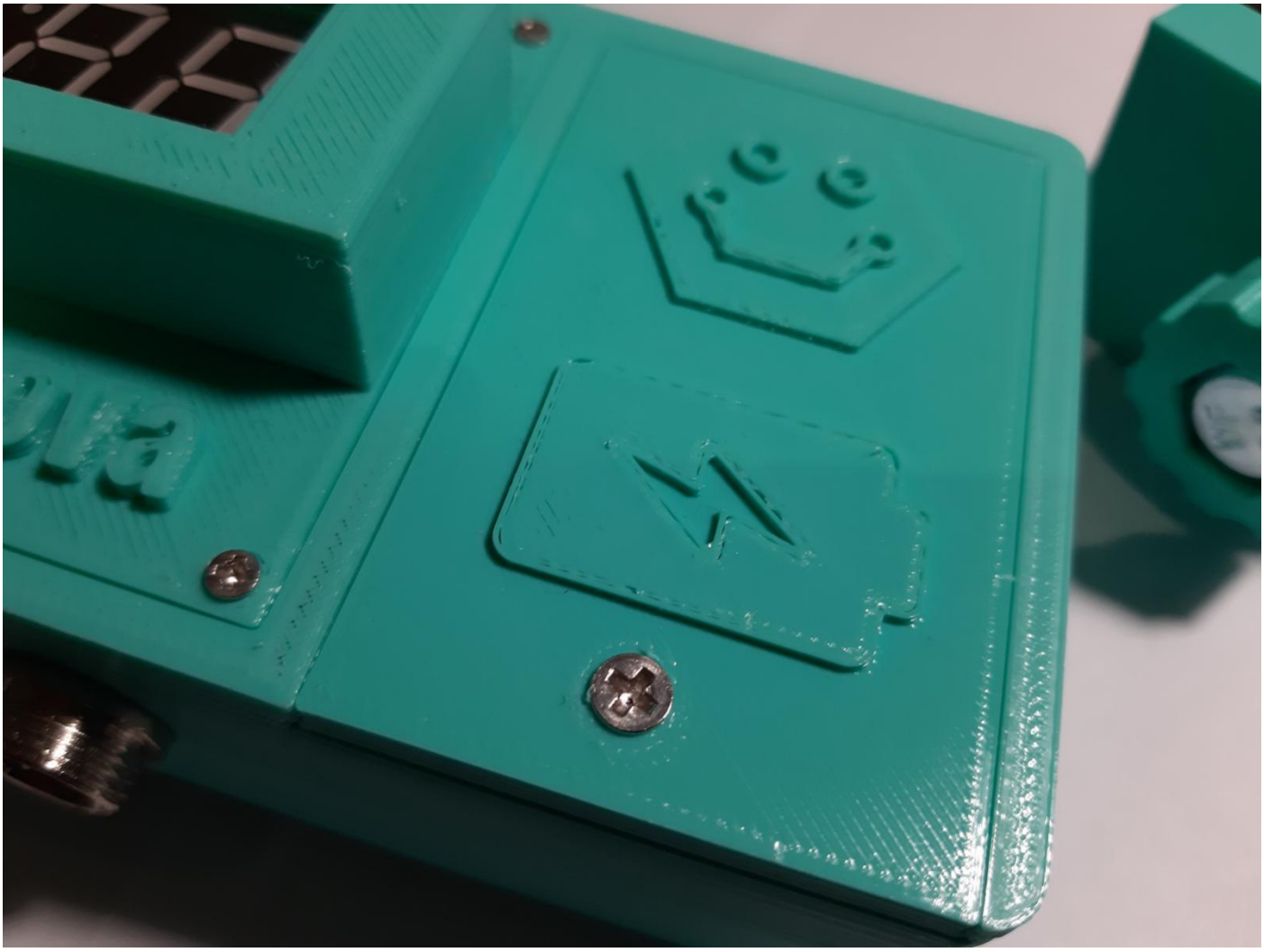
Big size display

To visualize the scores, the chronometer has a big red led display that has four digits and an accuracy of one hundredth of a second. It includes an energy saver system through the luminosity button, so you can decrease the luminosity when you are not using the chronometer.



External antenna

The latest digiCAN's chronometer models include an external antenna in order to get a higher range on wireless communications. The distance between both devices can be higher than 100 meters, so it covers perfectly any training or competition field.



Electrical supply.

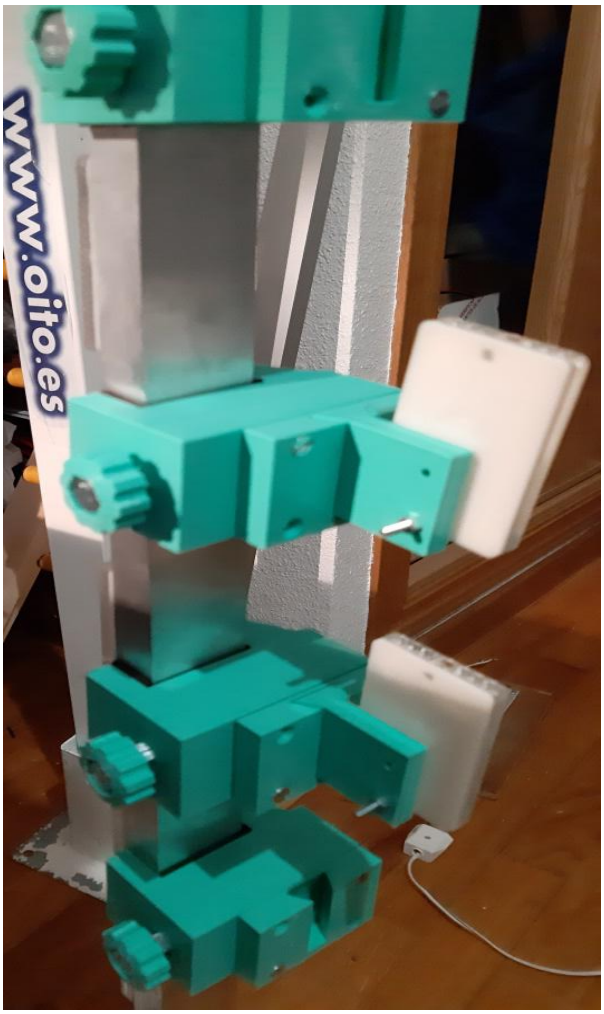
The chronometer is able to work independently with a commercial battery of 9 Volts. This way, we will obtain an autonomy of 7 hours of training.

Changing the battery is simple, you just need to unscrew the security screw from the power cover.

We recommend long lasting alkaline batteries to get an optimal result.

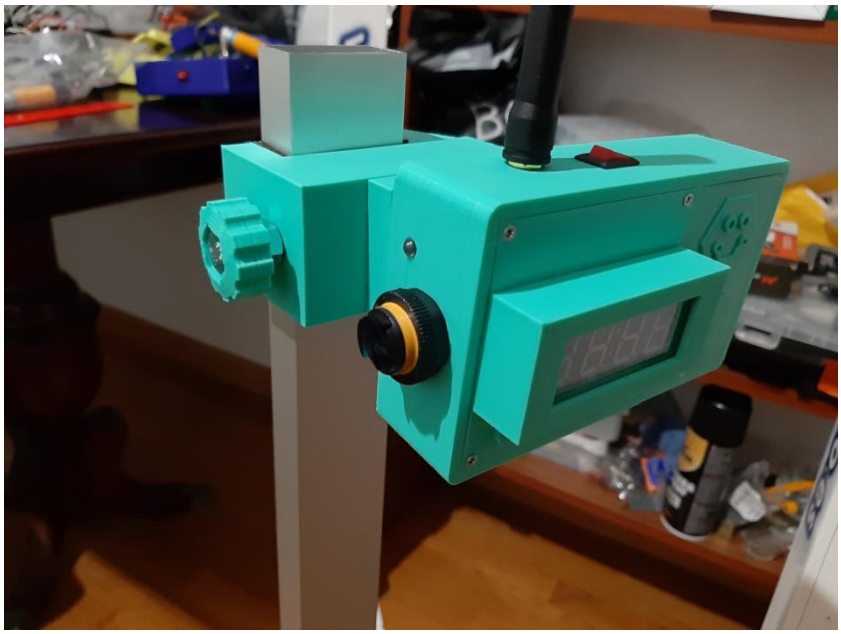
External electrical supply

The chronometer has an external connector that allows the usage of a 12 Volts battery, in order to guarantee a better autonomy. Also, by using a small motorcycle battery, you can get more than 48 hours of electrical supply. The power cable is included with the chronometer.



Holders for fences

Each chronometer includes two holders (one for the chronometer and the other for the reflector) and they can be used in any type of fence. It is an OitoInnova's exclusive design that can be used for both rectangular or circulares fences of up to 6 centimeters.



Functioning

Once you collocate the holders on the fences, you have to align the chronometer with the reflectors. First, you have to switch the chronometer on with the upper button and collocate the reflector at the same height as the chronometer's sensor (the distance between them has to be less than 2 meters). When the chronometer led stops flashes (every 2 seconds), the chronometer has already been aligned. Then, if we cut the infrared beam, the chronometer will start timing, and if we cut it again (with a guard time of two seconds), the chronometer will stop timing and the score will be visualized in the display.

OitoInnova's chronometers are prepared to work both individually or synchronized.

When we switch the chronometer on, an internal test of the functioning will start, and then a 15 seconds countdown. After that countdown, the chronometer is ready to start timing.

If you want to reset to zero the chronometer, you will use the upper-back button. But it is not necessary that you reset to zero it everytime that you start a new training series, because everytime the dog passes through the start fence, the chronometer will start from zero automatically.

Finally, the lower-back button is a RESET button, and you can use it in case of a system crash. It works the same way as if you switch off and on the chronometer.