

- Localization
- Alerts
- Rechargeable battery
- Activity
- Tracking
- Geofence



- Cow
- Horse
- Sheep
- Goat

## Dimensions, weight and materials

1 x Height: **110 mm**  
Width: **85 mm**  
Thickness: **50.5 mm**  
Weight: **283 gr**

1 x Weight: **30 gr**

1 x Weight: **450 gr**

1 x Weight: **15 gr**

High polycarbonate resistance

High polypropylene tenacity

Zinc plated carbon steel

Stainless steel vibrated

### Sensores

- Location**  
GPS location  
GPS frequency (L1 + L5)  
Sampling frequency:  
in motion - 2min, stationary - 10min
- Movement**  
3-axis accelerometer with a preferred frequency of 15Hz
- Analysis and study of behavior**  
Automatic identification of patterns, activity changes, and potential incidents

### Certificados

**Tightness:** Certificate IP68  
**Electromagnetic compatibility**  
CE 49580RRF.001

### Battery

ICR21700 Li-Ion  
BAT.PACK 1S1P  
4.000mA/h 3.7V

**Firmware owner: Digitanimal**

### Function

- Solar panel**  
SUNPOWER MAXEON GEN V 0211  
Measurements: 5 x 5 cm
- Humidity**  
Relative: 0-75 %  
Storing: <50 %  
Operating: 0-100 %
- Altitude**  
Tested up to 3000 meters
- Durability**  
Ruggedized, UV resistance, waterproof

### Conectivity

GSM 2G: 900-1800 MHz  
Sigfox RC1-RC2-RC4  
LoRa  
NarrowBand IoT

### Platform & OS

**App Digitanimal**  
Android, iOS and Web App  
**Digital Livestock Logbook:** Datanimal  
Data format .txt or .csv  
API integration