

- 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**

High polycarbonate resistance

1 x Weight: **30 gr**

High polypropylene tenacity

1 x Weight: **450 gr**

Zinc plated carbon steel

1 x Weight: **15 gr**

Stainless steel vibrated

### Sensors

#### Movement

- GPS positioning (<2.5 CEP)
- GPS frequency (L1 + L5)
- Three axis accelerometer

#### Behavioural analysis and study

- births and jealousy

### Certificates

#### Tightness

Certificate IP68

#### Electromagnetic compatibility

CE 49580RRF.001

### Battery

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

### Device firmware

Owner: Digitanimal

### Function

#### Solar Panel

- Material: 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

### Conectivity

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

### Platform & OS

- App Digitanimal:
  - Android, iOS and Web App
- API Data integration