



OPERATING INSTRUCTIONS

Please read the operating instructions before you use the V-max basic. Keep these documents for reference and include them with the device when you pass it on.

Scope of delivery
1 V-max basic, 1 set of operating instructions

Proper use in accordance with intended purpose
V-max basic provides you with a device for measuring the speed of persons, balls, etc. It uses the latest Doppler radar technology to calculate movements within a second and display them in km/h / mph. For instance V-max basic can provide more motivation and performance in sport..

1 – How to insert the batteries

To insert the batteries, open the battery compartment on the bottom side of the device by undoing the screw.

Caution:
Never recharge batteries, do not short-circuit them or take them apart – explosion hazard! Flat batteries must be removed from the device immediately. Also take the batteries out, if the device is not used for a lengthy period of time. Do not expose batteries to heat – increased risk of leakage! Do not use new and old batteries in the device at the same time. Before insertion, clean batteries and contacts as required. Keep batteries away from children and avoid contact with skin, eyes and mucous membranes. If you have come into contact with the battery acid, immediately rinse the affected areas with plenty of clean water and see a doctor straight away. **Do not use rechargeable batteries! Ensure correct polarity!**

2 – Functions of the V-max basic

- 1 – On / off
- 2 – Recall button – For calling up the previous speed
- 3 – Switching to km/h
- 4 – Switching to mp/h
- 5 – Indicator light
- 6 – Speed indicator

When the device is switched on, all segments of the speed indicator briefly light up and the indicator light of the activated speed unit briefly comes on. Thereafter, the indicator light flashes to indicate that the device is on.

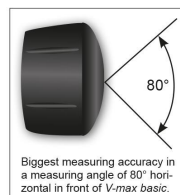
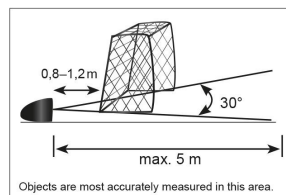
When switched on all LEDs briefly blink. If it is not being operated / used V-max basic automatically switches off after 15 minutes. If V-max basic detects any movement, the measured value will briefly appear in the display. To view the last reading again, press the recall key.

3 – Application possibilities

V-max basic provides a broad range of application possibilities: Football, Handball, Running, inline skating, Skiing, sledging, ...
To measure your speed or the speed of an object position V-max basic so that you or the object move(s) toward it. Please note that persons (such as a goalkeeper) or an object between V-max basic and the detection area can hinder the measurement.

4 – Detection angle

Since V-max basic can only detect and evaluate one speed in its detection area, erroneous measurements can occur or there may be no display if other movements besides the „measured object“ occur within the detection area. V-max basic can only measure and evaluate even, linear movements. „Jerky movements“ lead to incorrect indication.



Optimal measurement results can be achieved by

- using a tripod (not included in the scope of delivery)
- setting up the V-max basic at distance of 0.8 – 1.2 m behind the goal

5 – Technical data

Dimensions:	ca. 235 x 120 x 140 mm
Weight:	ca. 450 g (without batteries)
Measuring range:	5-199 kmh / 3-199 mph
Detection:	80° horizontal / 30° vertical up to approx. 5 m distance
Measuring accuracy:	± 1,5 kmh
Operating temperature:	-10°C – +50°C
Frequency:	24,150 GHz
Batteries:	4x LR14 required (not included)

V-max basic can be operated with a standard 6 volt DC power supply unit, tested by GS (please note the warning instructions of the power supply unit manufacturer).

Attention! Please ensure correct polarity:

– We reserve the right to make technical changes. –

6 – Help

Problem	Cause	Solution
L0 appears on the display	The batteries are low	Change batteries
No display	Have batteries run out?	New batteries
	Beyond the measurement area / detection area	Keep within measuring area / detection area

7 – Cleaning and old devices

Cleaning
Only use a dry to slightly damp cloth for cleaning the V-max basic. Avoid using any solvents, since these may possibly damage the device.

Old devices
Do not throw away old devices and packaging material with the household waste. They can be recycled. You will also receive further information from your local authority administration.

Batteries
Used batteries should not be disposed of as normal household rubbish! They can be taken to the local battery collection points who will dispose of them free of charge. By ensuring that your batteries are disposed of correctly you can make an important contribution to the protection of the environment!



Warranty information

The warranty period is three years, and begins on the day of purchase. Please keep the sales receipt as proof of your purchase. During the warranty period you can send defective V-max basic post paid to the service address cited below. You will receive a new or repaired device in return free of charge. After the warranty period runs out you will also have the possibility of sending the device post paid to the service address cited below to be repaired. After the warranty runs out any required repairs shall be subject to a charge. Your statutory rights shall not be affected by this warranty.

Declaration of Conformity

The declaration of conformity can be found at www.eurotronic.org.