

SERVICE AND MAINTENANCE

Please deliver the equipment to authorized service personnel if it needs repair, service or maintenance.

See www.viking-two.com for more information.

TRANSPORT AND STORAGE

Keep the product dry and frost free, not over + 40 ° C, out of reach of children and other unauthorized persons.

Please use the products carry case when not in use and/or during transport. Clean the equipment with a soft, dry cloth. The cloth can be washed in soapy water if the equipment is very dirty.

NB Never use chemicals to clean - it can damage your equipment viewable. Avoid violent shock during use and/or transportation.



Viking Two is a test instrument for charging stations for Electric vehicle supporting mode 3 Type 2 charging. This product is ready out of the box but can also be used with Android™ and Apple® IOS™ smartphones.

This manual contains important information about the use of the equipment. All operators are encouraged to read the manual in its entirety. Keep these instructions in a safe place in the event of resale this manual should be supplied with this equipment.



EE-WASTE

Used electrical and electronic products must be recycled at separate collection points pursuant to

Directive 2012/19 / EC and 2006/66 / EC

TECHNICAL CONTACT DETAILS

Viking-Two is developed and produced by Sparc Technologies AS.

Office Address:

Lagerveien 9, 4033 Stavanger, Norway

E-mail:

post@viking-two.com

Website:

www.viking-two.com



APPLICATION

Testing and diagnosis of charging stations for electric vehicles (EV). By using the product display interface or Android™ or Apple® IOS™ smartphone the Viking Two will simulate and test charging operations on an EV charger and let the operator switch between different modes and read real-time data.

GENERAL SAFETY REGULATIONS

Always wear protective cap when not in use. Do not immerse the device in water and avoid direct water. Manage product carefully and protect it from heat, oil, or sharp edges. Only to be used with CE approved charging stations.

INCLUDED PARTS

- Viking Two testing equipment
- Micro USB charging cable.
- Carry case.



ELECTRIC SHOCK HAZARD.
This equipment is to be services by trained personnel only.

INSTALLATION

When unpacking make sure the device has not been damaged in transport. See www.viking-two.com for more information. We recommend charging the device for up to 1 hour the first time, to fully charge the lithium Li-ion battery. The smartphone App is available on Google play™ & Apple® App store™



TECHNICAL DATA

PRODUCT NAME:

Viking-Two

CHARGING STATION STANDARD:

IEC62196-2

CONNECTIONS:

VDE-AR-E2623-2-2,
4mm Banana plug test lead connectors
Micro USB Type-B charging connector.
Low Energy wireless interface

POWER SOURCE:

AC input : 230V/400VAC
850mAh Lithium Li-ion battery
Input 5V DC, 0.5A (Device charging)

PROTECTION:

IP41
Indoor use only

MATERIALS:

ABS, Thermoplastic UL94
Pollution degree 2

OPERATIONAL TEMP. RANGE:

-20 - +45 °C
80 %RH Humidity condition

GETTING STARTED

This equipment intended used by operator only

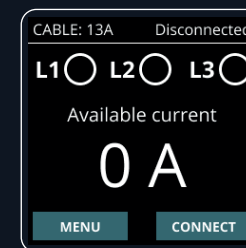
Power on the device by pushing the power switch on the left side of the product.

The display will now show the product logo and the device is ready to connect to charging station socket.

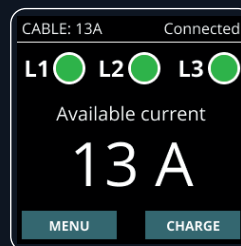
Select mode to test and simulate on the charging stations. The modes are listed below



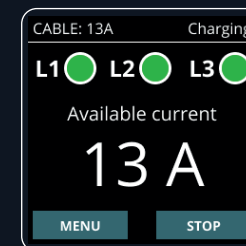
Startup screen



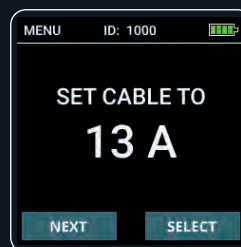
Ready to start test



Connected



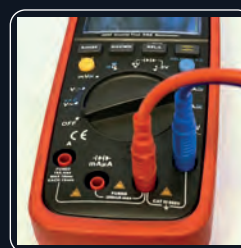
Simulate charging



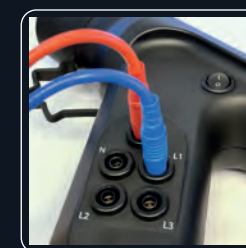
Set Cable Code



Test Pilot Fail



Measuring equipment



Connect test leads

- Disconnected
Will display current if available, status on L1, L2 L3
- Connected
Will simulate a connected status
- Charging
Will simulate charging status
- Cable Fail
Simulate fail on charging cable
- Pilot Fail
Simulate pilot fail from vehicle
- Select Cable coding
Will set the cable coding for tests

- How to connect to smartphone.
1. Install the Viking Two Application
 2. Open Viking Two application
 3. Turn on Device
 4. Device ID will show in application.
 5. Tap on Device ID (5 digits)

How to charge device
Insert a Micro USB charging cable at the bottom of the device

After use, please remember to turn the device off by pushing the power switch, this to maximize battery life.