# MYeBOX-1500-4G + 4 FLEX-R45

MYeBOX-1500-4G + 4 FLEX-R45, Portable power analyzer with recording of quality events and transients

Code: M8445C0000A00

> Nr Sensors: 4 FLEX-R45
> Communications: Wi-Fi | 4G
> Transistor output: 2
> Digital inputs: 2
> No. of voltage measurement inputs: 5
> Measuring Channels: 5
> Class: Class A

## Description

**MYeBOX®** is a range of portable analysers that can be configured from an app and/or a website to analyse and record electrical parameters, measure and record waveform transients and network quality parameters, as per the **EN 50160** standard. The information is accessible remotely from the app and/or website. **MYeBOX®** measures and records electrical parameters in single-phase, two-phase or three-phase installations (with and without a neutral).
The app/website is connected to the device to display the measured data in real time, fully configure the device, start or stop the data recording, send the recorded data to the **MYeBOX®** Cloud platform, and even access the data from the memory to view it graphically or in table form. The remote connectivity lets you analyse the measured data from anywhere. The recorded data can also be sent to a data repository for further analysis in PowerVision Plus. The device can be configured locally using the capacitive keyboard and the on-screen menu options.

**MYeBOX® 150** and **MYeBOX® 1500** have the following features and functions:

- 4 voltage measurement inputs ($U_1$, $U_2$, $U_3$, $U_n$)
- 4 current measurement inputs ($I_1$, $I_2$, $I_3$, $I_n$)
- Measurement of the main electrical parameters
- Measurement of network quality parameters
- True RMS measurement (TRMS)
- Measurement of consumption and generation (4Q)
- Voltage quality event log, according to **EN 61000-4-30**
- Transients log
- Recording of the wave shape associated with the quality events and transients
- Measurement according to **EN 61000-4-30**
- Power supply is independent of the measurement
- Recording of the wave shape for each recording period
- LCD Screen
- Capacitive keypad
- Micro-USB port to download data
- Automatic detection of clamps
- Identification of phases with colours
- Compatible with clamps with EEPROM
- Recording of system events (EVA)
- NTP synchronisation
- Sending of alarms via e-mail
- Wi-Fi communications (access point/terminal)

The **MYeBOX® 1500** model also has:



Creation date: 25/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

- 1 voltage measurement input $U_{ref}$
- 1 leakage current measurement input
- 2 transistor inputs to centralise impulses / tariff / state
- 2 transistor outputs for alarms
- 3G/4G communications

## Application

**MYeBOX** can be used to:

- Prepare complete studies of an electrical installation.
- Analyse consumption, load curves, disturbances in the installation's voltage, display wave shapes, harmonics study or flicker measurement, among other options.
- Perform audits and analyses remotely.


Creation date: 25/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

## Specifications

### Auxiliary battery power supply

| | |
|---|---|
| Autonomy | 2 h (without 4G), 50 min (with 4G) |
| Battery type | Lithium (3,7 Vc.c.) |
| Capacity | 3700 mAh |
| Load temperature | 0 ... 40 °C |
| Load time | 6 h |

### AC power supply

| | |
|---|---|
| Installation category | CAT II 300 V |
| Consumption | 22...28 VA |
| Frequency | 47...63 Hz |
| Nominal voltage | 100...240 Vc.a.(Adaptador de alimentación de c.a.) |

### Powered by charger, adapter

| | |
|---|---|
| Output voltage | 9 Vc.c. |
| Maximum power | 20 W |

### Battery specification

| | |
|---|---|
| Capacity | 220 mAh |
| Performance-guarantee | 10 years |
| Type | Lithium |
| Voltage | 3 Vc.c. |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 30 |
| Relative humidity (without condensation) | 5...95 % |
| Storage temperature | -20...+60 °C |
| Working temperature | -10...+50 °C |

### Mechanical characteristics

| | |
|---|---|
| Envelope | Self-extinguishing V0 plastic |
| Weight (kg) | 4 |

### Specific technical characteristics of current sensors

| | |
|---|---|
| Linearity | 2 % (10...200 % In) |
| Measurement range | 100/1000/10000 A |

### Standards

| | |
|---|---|
| Certifications | CE |


Creation date: 25/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

| | |
|---|---|
| Electrical safety, Maximum height (m) | 2000 |
| Standards | Recycling European Directive 2002/96/EC, EN 61326-1, IEC 61010-1, 3rd Edition |

## Current measurement circuit

| | |
|---|---|
| Installation category | CAT III 600 V |
| Nominal current (In) | Depending on the clamp |
| Phase current measurement | Transformadores con salida 0,250 A ó 0,333 V |
| Phase current measuring range | 1...200 % In |
| Maximum input current consumption | 0,0004 VA |
| Maximum pulse current | 3 x In A |
| Minimum current measurement | Depending on the clamp |

## Voltage measurement circuit

| | |
|---|---|
| Installation category | CAT III 600 V (UL) / CAT IV 600 V (IEC) |
| Consumption | 0,15 VA |
| Input impedance | 2,4 MΩ |
| Frequency measuring range | 42,5 ... 69 Hz |
| Voltage measuring range | 10 ... 600 V~ (Ph-N) |
| Minimum measurement voltage (Vstart) | 10 V ~ |

## Electrical safety

| | |
|---|---|
| Insulation | Double-insulated electric shock protection class II (IEC 61010-1) |

## User interface

| | |
|---|---|
| Connectivity | µUSB |
| LED | 21 |
| Keyboard | 5 keys, 2 push button |

## Digital inputs

| | |
|---|---|
| Input/output insulation | 2,7 kV |
| Quantity | 2 |
| Type | Potential-free contact |
| Maximum short-circuit current | 5 mA |
| Maximum open circuit voltage | 4...9 Vdc |

## Memory

| | |
|---|---|
| Memory capacity | 16 GB |
| Write time | 1s, 1m, 5m, 15m, 1h, 1d |
| Type | FAT 32 |

## Digital transistor outputs

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

| | |
|---|---|
| Quantity | 2 |
| Type | Opto MOSFET |
| Maximum current | 90 mA |
| Maximum voltage | 48 Vcc |

**Measurement accuracy**

| | |
|---|---|
| Current asymmetry (Ka) | Class A (IEC 61000-4-30) |
| Voltage asymmetry (Ka) | Class A (IEC 61000-4-30) |
| Current unbalance (Kd) | Class A (IEC 61000-4-30) |
| Voltage unbalance (Kd) | Class A (IEC 61000-4-30) |
| Frequency measurement | Class A ( 42.5 ... 69 Hz) (IEC 61000-4-30) |
| Phase current measurement | Class 0,2 (1...200 % In) (IEC 61557-12) |
| Reactive energy measurement (kvarh) | Class 1 (IEC 62053-23) |
| Power factor measurement | Class 0,5 (IEC 61557-12) |
| Phase voltage measurement | Class 0,2 (10...600 VPh-N ~) (IEC 61557-12) |
| Pinst. Flicker | 3 % (IEC 61000-4-15) |
| Pst Flicker | 5 % (0,2 ... 10Pst) (IEC 61000-4-15) |

**Radio communication**

| | |
|---|---|
| Band | UMTS/HSPA: 850/900/1900/2100 MHz. # GSM /GPRS /EDGE: 850/900/1800/1900 MHz. |
| Technology / Type | 4G |

**Wireless communication**

| | |
|---|---|
| Band | 2,4 GHz |
| Technology / Type | Wi-Fi |

**MYeBOX**
Portable power analyzer with recording of quality events and transients

| CODE | TYPE | Class | Communications | No. of voltage measurement inputs | Measuring current Channels | Measuring Channels | Transistor output | Digital inputs | Nr Sensors |
|---|---|---|---|---|---|---|---|---|---|
| M840230000A00 | MYeBOX-150 | Class A | Wi-Fi | 4 | 4 | | | | |
| M844330000A00 | MYeBOX-1500-4G | | Wi-Fi \| 4G | | | 5 | 2 | 2 | |
| **Portable analyzer kits with current sensors** | | | | | | | | | |
| M8445C0000A00 | MYeBOX-1500-4G + 4 FLEX-R45 | | Wi-Fi \| 4G | | | 5 | 2 | 2 | 4 FLEX-R45 |
| M8405C0000A00 | MYeBOX-1500- 4 FLEX-R45 | Class A | Wi-Fi \| 3G | 5 | 5 | | | 2 | 4 FLEX-R45 |
| M8445E0000A00 | MYeBOX-1500-4G + 4 FLEX-R80 | | Wi-Fi \| 4G | | | 5 | 2 | 2 | 4 FLEX-R80 |
| M8405E0000A00 | MYeBOX-1500-4 FLEX-R80 | Class A | Wi-Fi \| 3G | 5 | 5 | | | 2 | 4 FLEX-R80 |
| M84023. | MYeBOX-150 | According to Class A | Wi-Fi | 4 | 4 | | | | |


Creation date: 25/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

| CODE | TYPE | Class | Communications | No. of voltage measurement inputs | Measuring current Channels | Measuring Channels | Transistor output | Digital inputs | Nr Sensors |
|---|---|---|---|---|---|---|---|---|---|
| M84433. | MYeBOX-1500-4G | | Wi-Fi \| 4G | | | 5 | 2 | 2 | |
| M8405B. | MYeBOX-1500+3 FLEX-R45 | According to Class A | Wi-Fi \| 3G | 5 | 5 | | | 2 | 3 FLEX-R45 |
| M8404C. | MYeBOX-150-4 FLEX-R45 | According to Class A | Wi-Fi | 4 | 4 | | | | 4 FLEX-R45 |
| M8445C. | MYeBOX-1500-4G + 4 FLEX-R45 | | Wi-Fi \| 4G | | | 5 | 2 | 2 | 4 FLEX-R45 |
| M8405D. | MYeBOX 1500+3 FLEX-R80 | According to Class A | Wi-Fi \| 3G | 5 | 5 | | | 2 | 3 FLEX-R80 |
| M8405E. | MYeBOX-1500-4 FLEX-R80 | According to Class A | Wi-Fi \| 3G | 5 | 5 | | | 2 | 4 FLEX-R80 |
| M8445E. | MYeBOX-1500-4G + 4 FLEX-R80 | | Wi-Fi \| 4G | | | 5 | 2 | 2 | 4 FLEX-R80 |

Analyser with built-in SD memory and Cloud Includes voltage cables, alligator clips, USB cable, fastening strap, magnetic support, battery, power supply and carrying bag. Please contact us for other clamp or clamp length combinations



Creation date: 25/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

# MYeBOX-1500-4G + 4 FLEX-R45

Portable power analyzer

Code: M8445C0000A00

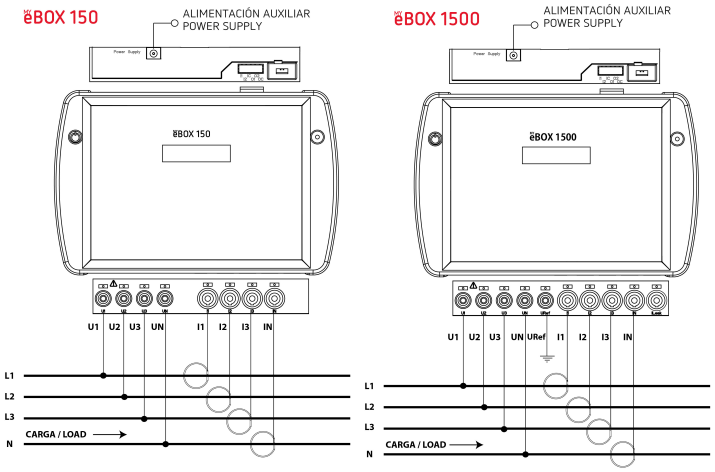
## Connections

# MYeBOX-1500-4G + 4 FLEX-R45

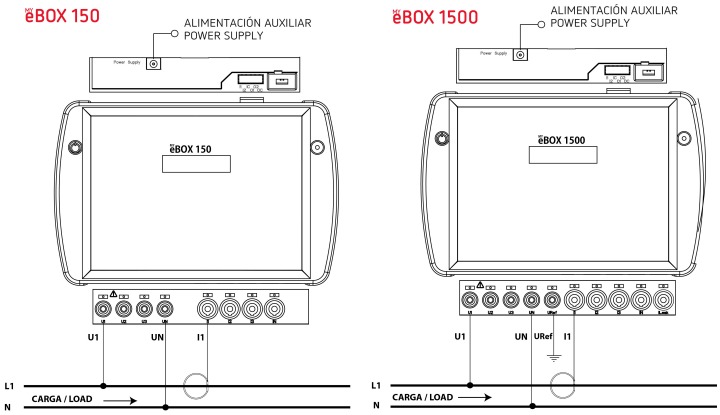
Portable power analyzer

Code: M8445C0000A00

Red trifásica a 4 hilos / 4-wire three-phase network




Red monofásica fase-neutro de 2 hilos
2-wire Single-phase network (Neutral)




Conexión de la corriente de fuga, ILeak
Leakage current connection, ILeak

