

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

Code: M84433.

> Communications: Wi-Fi | 4G

> Transistor output: 2

> Digital inputs: 2

> No. of voltage measurement inputs: 5

> Measuring Channels: 5 > Class: According to 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:

- \circ 4 voltage measurement inputs (U_1, U_2, U_3, U_0)
- \circ 4 current measurement inputs (I_1, I_2, I_3, I_0)
- o 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
- o Transients log
- o Recording of the wave shape associated with the quality events and transients
- Measurement according to EN 61000-4-30
- o Power supply is independent of the measurement
- o Recording of the wave shape for each recording period
- LCD Screen
- Capacitive keypad
- o Micro-USB port to download data
- Automatic detection of clamps
- o Identification of phases with colours
- O Compatible with clamps with EEPROM
- o Recording of system events (EVA)
- NTP synchronisation
- O Sending of alarms via e-mail
- O Wi-Fi communications (access point/terminal)

The MYeBOX® 1500 model also has:







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

Application

MYeBOX can be used to:

- $\circ\;$ 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.
- o Perform audits and analyses remotely.





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Specifications

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	2228 VA
Frequency	4763 Hz
Nominal voltage	100240 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
Туре	Lithium
Voltage	3 Vc.c.
Environmental characteristics	
Protection class	IP 30
Relative humidity (without condensation)	595 %
Storage temperature	-20+60 °C
Working temperature	-10+50 °C
Mechanical characteristics	
Envelope	Self-extinguishing V0 plastic
Standards	
Certifications	CE
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







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Nominal current (In) Depending on the clamp Phase current measurement Transformadores con salida 0,250 A 6 0,333 V Phase current measurement 0,0004 VA Maximum inputs current consumption 0,0004 VA Maximum inputs current measurement Depending on the clamp Voltage measurement circuit Installation category CAT III 600 V (UL) / CAT IV 600 V (EC) Consumption 0,15 VA Injuget impedance 2,4 MG 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 (EC 61010-1) User interface Connectivity μUSB LED 21 Keyboard 5 keys, 2 push button Display type 20-character alphanumeric x 2 lines Digital inputs Input / output insulation Maximum oppen circuit voltage 49 Vdc Memory capacity Me		
Phase current measuring range 1200 % In Maximum inputs current consumption 0,0004 VA Maximum putse current Peasurement 0 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 MQ Frequency measuring range 4.25 69 Hz Voltage measuring range 10 600 V ~ (Ph-N) Minimum measurement voltage (Vstart) 10 V ~ Electrical safety Verification 0.000 Profession 10 600 V ~ (Ph-N) Insulation 0.000 Profession 10 600 V ~ (Ph-N) Minimum measurement voltage (Vstart) 10 V ~ Electrical safety User interface Connectivity µUSB LED 21 Keyboard 5 keys, 2 push button Display type 20-theracter alphanumeric x 2 lines Display type 20-theracter alphanumeric x 2 lines Display type 20-theracter alphanumeric x 2 lines Display toutput insulation 2,7 KV Quantity 2 Type Potential-free contact Maximum open circuit voltage 4 9 Vdc Memory Memory capacity 16 GB Write time 15, Im, Sim, 15m, 1h, 1d Type FAT 32 Digital transistor outputs Quantity 2 Quantity 2 Quantity 2 Digital rensistor outputs	Nominal current (In)	Depending on the clamp
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Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation Double-insulated electric shock protection class II (IEC 61010-1) User interface Connectivity	Input impedance	2,4 ΜΩ
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User interface Connectivity	Electrical safety	
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Digital inputs Input / output insulation 2,7 kV Quantity 2 Type Potential-free contact Maximum short-circuit current 5 mA Maximum open circuit voltage 49 Vdc Memory Memory Memory capacity 16 GB Write time 1s, 1m, 5m, 15m, 1h, 1d Type FAT 32 Digital transistor outputs Quantity 2	Keyboard	5 keys, 2 push button
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Memory Memory capacity Memory capacity Mrite time Type Digital transistor outputs Quantity 49 Vdc 49 Vdc 49 Vdc 49 Vdc	Туре	Potential-free contact
Memory 16 GB Write time 1s, 1m, 5m, 15m, 1h, 1d Type FAT 32 Digital transistor outputs 2	Maximum short-circuit current	5 mA
Memory capacity Write time 1s, 1m, 5m, 15m, 1h, 1d Type FAT 32 Digital transistor outputs Quantity 2	Maximum open circuit voltage	49 Vdc
Write time 1s, 1m, 5m, 15m, 1h, 1d Type FAT 32 Digital transistor outputs Quantity 2	Memory	
Type FAT 32 Digital transistor outputs Quantity 2	Memory capacity	16 GB
Digital transistor outputs Quantity 2	Write time	1s, 1m, 5m, 15m, 1h, 1d
Quantity 2	Туре	FAT 32
·	Digital transistor outputs	
·	Quantity	2
Type Opto MOSFET	Туре	Opto MOSFET
Maximum current 90 mA	Maximum current	90 mA



Maximum voltage

48 Vcc





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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 (1200 % 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 (10600 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	ТҮРЕ	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				
Portable analyzer	kits with current sensors								
M844330000A00	MYeBOX-1500-4G		Wi-Fi 4G			5	2	2	
M8445B0000A00	MYeBOX-1500-4G + 3 FLEX-R45		Wi-Fi 4G			5	2	2	3 FLEX-R45
M8445C0000A00	MYeBOX-1500-4G + 4 FLEX-R45		Wi-Fi 4G			5	2	2	4 FLEX-R45
M8445D0000A00	MYeBOX-1500-4G + 3 FLEX-R80		Wi-Fi 4G			5	2	2	3 FLEX-R80
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
M844530000A00	MYeBOX-1500-4G + 3 CPG-100		Wi-Fi 4G			5	2	2	3 CPG-100
M844550000A00	MYeBOX-1500-4G + 3 CPRG-500		Wi-Fi 4G			5	2	2	3 CPRG-500
M84023.	MYeBOX-150	According to Class A	Wi-Fi	4	4				
M84433.	MYeBOX-1500-4G		Wi-Fi 4G			5	2	2	







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CODE	ТҮРЕ	Class	Communications	No. of voltage measurement inputs	Measuring current Channels	Measuring Channels	Transistor output	Digital inputs	Nr Sensors
M8404B.	MYeBOX-150+3 FLEX-R45	According to Class A	Wi-Fi	4	4				3 FLEX-R45
M8405B.	MYeBOX-1500+3 FLEX-R45	According to Class A	Wi-Fi 3G	5	5			2	3 FLEX-R45
M8445B.	MYeBOX-1500-4G + 3 FLEX-R45		Wi-Fi 4G			5	2	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
M8404D.	MYeBOX-150-3 FLEX-R80	According to Class A	Wi-Fi	4	4				3 FLEX-R80
M8404E.	MYeBOX-150-4 FLEX-R80	According to Class A	Wi-Fi	4	4				4 FLEX-R80
M8445E.	MYeBOX-1500-4G + 4 FLEX-R80		Wi-Fi 4G			5	2	2	4 FLEX-R80
M84043.	MYeBOX-150 + 3 CPG-100	According to Class A	Wi-Fi	4	4				3 CPG-100
M84453.	MYeBOX-1500-4G + 3 CPG-100		Wi-Fi 4G			5	2	2	3 CPG-100
M84045.	MYeBOX-150 + 3 CPRG-500	According to Class A	Wi-Fi	4	4				3 CPRG-500
M84455.	MYeBOX-1500-4G + 3 CPRG-500		Wi-Fi 4G			5	2	2	3 CPRG-500

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





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Connections



