



MYeBOX-150-4 FLEX-R45, Portable power analyzer with recording of quality events and transients

Code: M8404C

> Nr Sensors: 4 FLEX-R45 > Communications: Wi-Fi

> No. of voltage measurement inputs: 4

> Measuring current Channels: 4 > 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_n)
- \circ 4 current measurement inputs (I_1, I_2, I_3, I_0)
- o Measurement of the main electrical parameters
- o Measurement of network quality parameters
- True RMS measurement (TRMS)
- o Measurement of consumption and generation (4Q)
- $\circ~$ Voltage quality event log, according to $EN~61000\mbox{-}4\mbox{-}30$
- 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
- o LCD Screen
- Capacitive keypad
- 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
- Sending of alarms via e-mail
- Wi-Fi communications (access point/terminal)

The MYeBOX® 1500 model also has:

 \circ 1 voltage measurement input U_{ref}







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- 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.
- o 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

Auxiliary battery power supply	
Autonomy	2 h
Battery type	Litio (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	18 W
Battery specification	
Capacity	220 mAh
Performance-guarantee	10 años
Туре	Litio
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
Weight (kg)	2,9
Specific technical characteristics of current sensors	
Linearity	2 % (10200 % ln)
Measurement range	100/1000/10000 A
Standards	
Certifications	CE







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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	1200 % 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					
Consumption	0,15 VA					
Sampling frequency	4565 Hz					
Input impedance	2,4 ΜΩ					
input impedance						
Frequency measuring range	42,5 69 Hz					
	42,5 69 Hz 10 600 V~ (Ph-N)					
Frequency measuring range						
Frequency measuring range Voltage measuring range	10 600 V~ (Ph-N)					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart)	10 600 V~ (Ph-N)					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety	10 600 V~ (Ph-N) 10 V ac					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation	10 600 V~ (Ph-N) 10 V ac					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1)					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time Type	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time Type	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines 1s, 1m, 5m, 15m, 1h, 1d FAT 32					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time Type Measurement accuracy Current asymmetry (Ka)	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines 1s, 1m, 5m, 15m, 1h, 1d FAT 32 Class A (IEC 61000-4-30)					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time Type Measurement accuracy Current asymmetry (Ka) Voltage asymmetry (Ka)	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines 1s, 1m, 5m, 15m, 1h, 1d FAT 32 Class A (IEC 61000-4-30) Class A (IEC 61000-4-30)					
Frequency measuring range Voltage measuring range Minimum measurement voltage (Vstart) Electrical safety Insulation User interface Connectivity LED Keyboard Display type Memory Write time Type Measurement accuracy Current asymmetry (Ka) Voltage asymmetry (Kd) Current unbalance (Kd)	10 600 V~ (Ph-N) 10 V ac Double-insulated electric shock protection class II (IEC 61010-1) μUSB 14 5 keys, 2 push button 20-character alphanumeric x 2 lines 1s, 1m, 5m, 15m, 1h, 1d FAT 32 Class A (IEC 61000-4-30) Class A (IEC 61000-4-30) Class A (IEC 61000-4-30)					







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Reactive energy measurement (kvarh)	Class 1 (IEC 62053-23)
Reactive power measurement (kvar)	Class 1 \pm 1 digit (IEC 61557-12) (Vn ac 230/110)
Apparent power measurement (kVA)	class 0,5 ± 1 digit (IEC 61557-12) (Vn ac 230/110)
Active energy measurement (kWh)	Class 0,5S (IEC 62053-22)
Active power measurement (kW)	class 0,5 ± 1 digit (IEC 61557-12) (Vn ac 230/110)
Power factor measurement	Class 0.5 (IEC 61557-12)
Current THD	Class 1 (IEC 61000-4-7)
Voltage THD	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)
Current harmonics (THD)	(up 50th) Class 1 (IEC 61000-4-7)
Voltage harmonics (THD)	(up 50th) Class 1 (IEC 61000-4-7)

Wireless communication

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

MYeBOX

Portable power analyzer with recording of quality events and transients

ТҮРЕ	Class	Communications	No. of voltage measurement inputs	Measuring current Channels	Measuring Channels	Transistor output	Digital inputs	Nr Sensors
MYeB0X-150	Class A	Wi-Fi	4	4				
MYeB0X-1500-4G		Wi-Fi 4G			5	2	2	
kits with current sensors								
MYeBOX-1500-4G + 4 FLEX-R45		Wi-Fi 4G			5	2	2	4 FLEX-R45
MYeBOX-1500- 4 FLEX-R45	Class A	Wi-Fi 3G	5	5			2	4 FLEX-R45
MYeBOX-1500-4G + 4 FLEX-R80		Wi-Fi 4G			5	2	2	4 FLEX-R80
MYeBOX-1500-4 FLEX-R80	Class A	Wi-Fi 3G	5	5			2	4 FLEX-R80
MYeBOX-150	According to Class A	Wi-Fi	4	4				
MYeB0X-1500-4G		Wi-Fi 4G			5	2	2	
MYeBOX-1500+3 FLEX-R45	According to Class A	Wi-Fi 3G	5	5			2	3 FLEX-R45
MYeBOX-150-4 FLEX-R45	According to Class A	Wi-Fi	4	4				4 FLEX-R45
MYeBOX-1500-4G + 4 FLEX-R45		Wi-Fi 4G			5	2	2	4 FLEX-R45
MYeBOX 1500+3 FLEX-R80	According to Class A	Wi-Fi 3G	5	5			2	3 FLEX-R80
MYeBOX-150-4 FLEX-R80	According to Class A	Wi-Fi	4	4				4 FLEX-R80
	MYeBOX-150 MYeBOX-1500-4G kits with current sensors MYeBOX-1500-4G + 4 FLEX-R45 MYeBOX-1500-4 FLEX-R45 MYeBOX-1500-4G + 4 FLEX-R80 MYeBOX-1500-4G + 4 FLEX-R80 MYeBOX-1500-4 FLEX-R80 MYeBOX-1500-4 FLEX-R45 MYeBOX-1500-4G MYeBOX-1500-4G MYeBOX-1500-4G + 4 FLEX-R45 MYeBOX-1500-4G + 4 FLEX-R45 MYeBOX-1500-4G + 4 FLEX-R45	MYeBOX-150 Class A MYeBOX-1500-4G Class A kits with current sensors Class A MYeBOX-1500-4G + 4 FLEX-R45 Class A MYeBOX-1500-4 FLEX-R45 Class A MYeBOX-1500-4G + 4 FLEX-R80 Class A MYeBOX-1500-4 FLEX-R80 According to Class A MYeBOX-150 According to Class A MYeBOX-1500-4G According to Class A MYeBOX-1500-4 FLEX-R45 According to Class A MYeBOX-1500-4G + 4 FLEX-R45 According to Class A MYeBOX-1500-4G + 4 FLEX-R80 According to Class A MYeBOX-1500-4 FLEX-R80 According to Class A	MYeBOX-150 Class A Wi-Fi MYeBOX-1500-4G Wi-Fi 4G kits with current sensors Wi-Fi 4G MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G MYeBOX-1500-4 FLEX-R45 Class A Wi-Fi 3G MYeBOX-1500-4G + 4 FLEX-R80 Wi-Fi 4G MYeBOX-1500-4 FLEX-R80 Class A Wi-Fi 3G MYeBOX-150 According to Class A Wi-Fi 4G MYeBOX-1500-4G Wi-Fi 4G MYeBOX-1500+3 FLEX-R45 According to Class A Wi-Fi 3G MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G Wi-Fi 4G MYeBOX-1500-4G + 4 FLEX-R45 According to Class A Wi-Fi 3G MYeBOX-1500-4G + 4 FLEX-R45 According to Class A Wi-Fi 3G MYeBOX-1500-4G + 4 FLEX-R80 According to Class A Wi-Fi 3G	TYPE Class Communications measurement inputs voltage measurement inputs MYeBOX-1500 Class A Wi-Fi 4 MYeBOX-1500-4G Wi-Fi 4G Wi-Fi 4G Kits with current sensors Wi-Fi 4G Vi-Fi 3G 5 MYeBOX-1500-4G + 4 FLEX-R45 Class A Wi-Fi 3G 5 MYeBOX-1500-4G + 4 FLEX-R80 Wi-Fi 4G Vi-Fi 3G 5 MYeBOX-1500-4 FLEX-R80 Class A Wi-Fi 3G 5 MYeBOX-1500-4 FLEX-R80 According to Class A Wi-Fi 4G Vi-Fi 4G MYeBOX-1500-4G Wi-Fi 4G Vi-Fi 4G Vi-Fi 4G MYeBOX-1500+3 FLEX-R45 According to Class A Wi-Fi 3G 5 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G Vi-Fi 4G MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G Vi-Fi 4G MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 3G 5 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G Vi-Fi 4G	TYPE Class Communications inputs voltage measurement current Channels MYeBOX-150 Class A Wi-Fi 4 4 MYeBOX-1500-4G Wi-Fi 4G 4 4 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G 5 5 MYeBOX-1500-4 FLEX-R45 Class A Wi-Fi 3G 5 5 MYeBOX-1500-4 FLEX-R45 Class A Wi-Fi 4G 5 5 MYeBOX-1500-4 FLEX-R45 Class A Wi-Fi 3G 5 5 MYeBOX-1500-4 FLEX-R80 Class A Wi-Fi 3G 5 5 MYeBOX-1500-4 FLEX-R80 According to Class A Wi-Fi 4G 4 4 MYeBOX-1500-4 FLEX-R45 According to Class A Wi-Fi 3G 5 5 5 MYeBOX-1500-4 FLEX-R45 According to Class A Wi-Fi 4G 4 4 4 MYeBOX-1500-4 FLEX-R45 Wi-Fi 4G 5 5 5 5 MYeBOX-1500-4 FLEX-R45 Wi-Fi 4G 4 4 4 4	TYPE Class Communications voltage measurement inputs Measuring current Channels Measuring Current Channels MYeBOX-150 Class A Wi-Fi 4 4 MYeBOX-1500-4G Wi-Fi 4G 5 5 kits with current sensors Wi-Fi 4G 5 5 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G 5 5 MYeBOX-1500-4 FLEX-R45 Class A Wi-Fi 4G 5 5 MYeBOX-1500-4 FLEX-R45 Wi-Fi 4G 5 5 5 MYeBOX-1500-4 FLEX-R45 Wi-Fi 4G 5 5 5 MYeBOX-1500-4 FLEX-R40 Class A Wi-Fi 3G 5 5 5 MYeBOX-1500-4 FLEX-R45 According to Class A Wi-Fi 4G 4 4 5 MYeBOX-1500+3 FLEX-R45 According to Class A Wi-Fi 3G 5 5 5 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G 4 4 4 MYeBOX-1500-4G + 4 FLEX-R45 Wi-Fi 4G 5 5 5 MYeBOX-1500-4G + 4	TYPE Class Communications measurement inputs voltage measurement channels with current channels Measuring channels with current channels Transistor output MYeBOX-1500 - 4G Vii - Fi 4G 4 4 5 2 kits with current sensors Wi - Fi 4G 5 2 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 4G 5 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 4G 5 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 4G 5 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 3G 5 5 5 2 MYeBOX-1500 - 4G + 4 FLEX-R40 Wi - Fi 3G 5 5 5 2 MYeBOX-1500 - 4G Wi - Fi 4G 4 4 4 4 MYeBOX-1500 + 3 FLEX-R45 According to Class A Wi - Fi 3G 5 5 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 4G 4 4 4 5 2 MYeBOX-1500 - 4G + 4 FLEX-R45 Wi - Fi 4G </td <td>TYPE Class Communications inputs voltage measurement inputs Measuring Channels with Channels</td>	TYPE Class Communications inputs voltage measurement inputs Measuring Channels with Channels







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CODE	ТҮРЕ	Class	Communications	No. of voltage measurement inputs	Measuring current Channels	Measuring Channels	Transistor output	Digital inputs	Nr Sensors
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







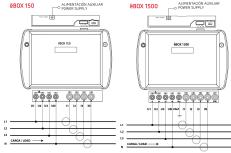
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Code: M8404C.

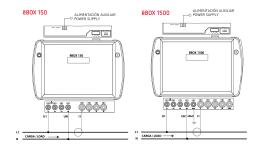
Dimensions

Connections

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, lLeak Leakage current connection, lLeak



