



The REO platypus is a versatile electronic autotransformer with variable output frequency designed for use in test labs and pre-compliance testing.

The current and voltage output can be adjusted using either the panel mounted potentiometers or alternatively the embedded keypad can be used to define regulation limits for current, voltage or power, and these will override the values set using the manual potentiometers. The frequency is controlled using the keypad.

As standard the unit has analog meters for current and voltage. The unit is protected using three line fuses and is short-circuit proof. The programming menu is able to be used in English, German or French.

Safety Information

This description contains the necessary information for the correct application of the product described below. It is intended for use by technically qualified personnel.

Qualified personnel are persons who, because of their training, experience and position as well as their knowledge of appropriate standards, regulations, health and safety requirements and working conditions, are authorised to be responsible for the safety of the equipment, at all times, whilst carrying out their normal duties and are therefore aware of, and can report, possible hazards (Definition of qualified employees according to IEC 364)



WARNING!

Hazardous Voltage!

Failure to observe can kill, cause serious injury or damage.



Isolate from mains before installation or dismantling work, as well as for fuse changes or post installation modifications.

Observe the prescribed accident prevention and safety rules for the specific application.




Before putting into operation check if the rated voltage for the unit conforms with the local supply voltage.

Emergency stop devices must be provided for all applications. Operation of the emergency stop must inhibit any further uncontrolled operation.

Electrical connections must be covered.

The earth connection must be checked for correct function, after installation.

Before Use

 Check !	<p>Is the mains input correct? Are the operating characteristics of voltage, current and power appropriate for the connected load? Is the rating of the Platypus sufficient for the the connected load</p>
 Caution !	<p>A incorrectly set output frequency may cause damage to the load. Ensure that the output frequency is within the operating tolerances of the connected load</p>
 Check !	<p>Units are despatched with the factory default settings loaded. If there is any doubt that then have been altered, restore them using the appropriate function before use.</p>

We reserve the right to make technical changes when appropriate.

Technical Data:

Platypus 10 A

Platypus 16 A

Input Voltage: 3 x 400 V +/-10%, 50/60 Hz
 Output Voltage : 0...300 V
Output Current: max. 10 A
 Output Frequency: 15..150 Hz

16 A

The output is NOT isolated from the mains!

- integrated mains switch
- Short circuit proof output
- Integrated analog Amp and Volt meter
- Current, Voltage and Power regulation
- Output control using panel mount potentiometer or keypad
- Frequency adjustable using keypad only
- Adjustable Soft Start and Soft Stop 0...60 s,
- Menu programming in 3 languages, English, German and French
- 2,5 m Input cable with 16 A CEE connector
- Output using laboratory terminals

Dimensions: 512 x 294 x 410 mm (B x H x T)

Intended Use

The unit described herein has been designed to be used by electrically competent persons in industrial applications only.

Symbol Key

- Setpoint
- Maximum Limit
- Voltage Limit
- Current Limit / Information
- Power Limit
- Inhibit, No Enable
- Soft Start Time
- Soft Stop Time
- System Lock
- Service
- Language
- Setup

Adjustable Parameters:

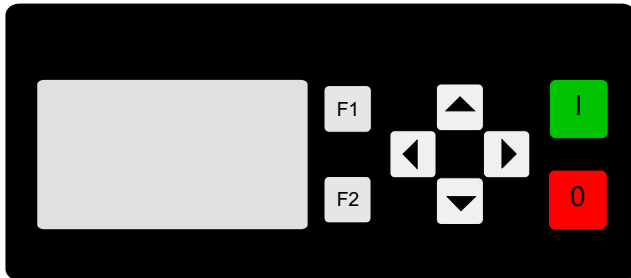
	Range	Factory Default	Menu		Range	Factory Default	Menu
Output Voltage	0..100 %	0 %	▲ Setpoint	p_Gain	1..100 %	15 %	⚙ Drive
Output Current	0..100 %	0 %	▲ Setpoint	Software	-	-	ⓘ Info
Output Power	0..100 %	100 %	▲ Setpoint	Date	-	-	ⓘ Info
Output Frequency	15..150 Hz	50 Hz	⚙ Drive	No.	-	-	ⓘ Info
Internal Setpoint	0 / I	0	⚙ Drive	Config1	-	-	ⓘ Info
Enable	4..20mA	0 / I	⚙ Drive	Config2	-	-	ⓘ Info
Enable Power	0 / I	0	⚙ Drive	Config3	-	-	ⓘ Info
Soft Start	0...60 Sek.	0,1 Sek.	⚙ Drive	Clear/Reset	-	-	🔧 Service
Soft Stop	0...60 Sek.	0,1 Sek.	⚙ Drive	Factory Settings	-	-	🔧 Service
u_max	5..100 %	100 %	⚙ Drive	User Index No.	0..3	0	🔧 Service
i_max	5..100 %	100 %	⚙ Drive	User Params	-	-	🔧 Service
p_max	5..100 %	100 %	⚙ Drive	Language	DE/EN/FR	DE	🔧 Service
u_Gain	1..100 %	20 %	⚙ Drive	Keycode	0000..FFFF	0000	🔧 Service
i_Gain	1..100 %	15 %	⚙ Drive				

Operation

Operating Display

Ⓢ	Voltage	0,0 %
	Current	0,0 %
	Power	0,0 %

- 1 Function Group Select
- 2 Function Select
- 3 Parameter Adjust
- 4 Forward or Back



Start / Reset

Stop

Keys F1 und F2 are not used!

Setpoint

Setpoint Voltage	20,0 %	Setpoint Current	20,0 %	Setpoint Power	80,0 %
0...100 %		0...100 %		0...100 %	

Drive

Drive Frequency	50,0 Hz	Drive Internal Setpoint	0	Drive Enable 4..20mA	0	Drive Enable Power	0	Drive Soft Start	20,0 sec.	Drive Soft Stop	20,0 sec.	Drive u_max	100,0 %
15..150 Hz		0 / 1		0 / 1		0 / 1		0..60,0 sec.		0..60,0 sec.		5..100 %	

Drive i_max	100,0 %	Drive p_max	100,0 %	Drive u_Gain	20 %	Drive i_Gain	15 %	Drive p_Gain	15 %
0..100 %		0..100 %		1..100 %		1..100 %		1..100 %	

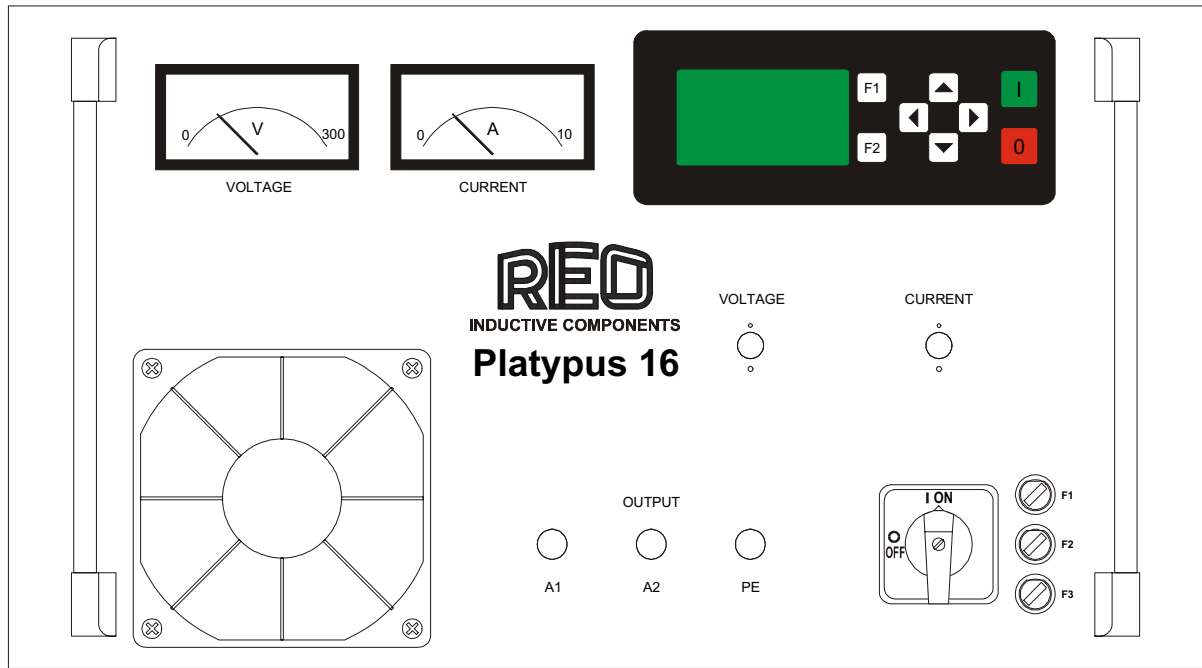
Info

Info Software	71671401	Info Date	09.06.2005	Info No.	0000 - 235e	Info Config 1	ffb - cfb2	Info Config 2	fbe3 - fff	Info Config 3	fff - fff
---------------	----------	-----------	------------	----------	-------------	---------------	------------	---------------	------------	---------------	-----------

Service

Clear Error/Reset	Factory Settings	Service User Index.: 0	Service User Params	Service English	Service Code	0000
		0..3		DE/EN/FR	0000..fff	

Layout



Schematic Drawing

