



CFW100 Micro Drives



RESOURCES

CFW100 – MICRO DRIVES

- Single-phase power - 100-127V / 200-240V
- Scalar Control (V/F), Vector Control (VVW)
- Features available on the standard version: SoftPLC, Flying Starting, Ride Through ,Sleep Mode and PID
- HMI included in the standard version
- Flash memory (Module for copying parameters)
- Network communication protocols: Modbus RTU, CANopen
- USB communication
- Operating temperature up to 50 °C
- Plug-and-play expansion modules
- IP20 protection rating



APPLICATIONS

CFW100 – MICRO DRIVES

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Exhaust fans



Kneaders



Centrifugal Pumps



Conveyor Belts



Stirrers/Mixers



Ovens



TECHNICAL CHARACTERISTICS

CFW100 – MICRO DRIVES

POWER RANGE – IP20

CFW100 – MICRO DRIVES

FRAME	VOLTAGE	CV	KW
A	100-127 Vac / 1F	0.25	0.18
	200-240 Vac / 1F	0.25	0.18
B	100-127 Vac / 1F	0.5	0.37
	200-240 Vac / 1F	0.5	0.37
C	200-240 Vac / 1F	1.0	0.75
D	100-127 Vac / 1F	1.0	0.75
	100-127 Vac / 1F	1.5	1.32
	200-240 Vac / 1F	1.5	1.32
	200-240 Vac / 1F	2.0	1.5



EASY TO USE

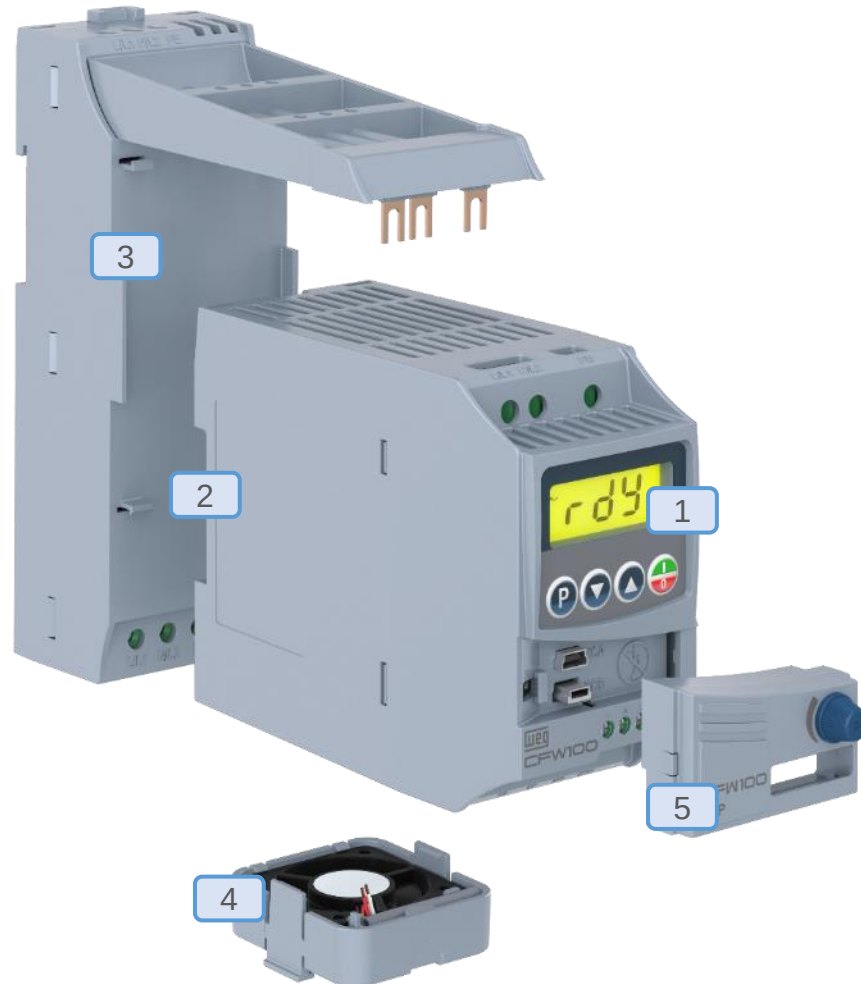
CFW100 – MICRO DRIVES



1. Built-in HMI
2. Supply Terminals
3. For plug-in modules only
4. Digital inputs
5. Motor output terminals

SIMPLE INSTALLATION

CFW100 – MICRO DRIVES

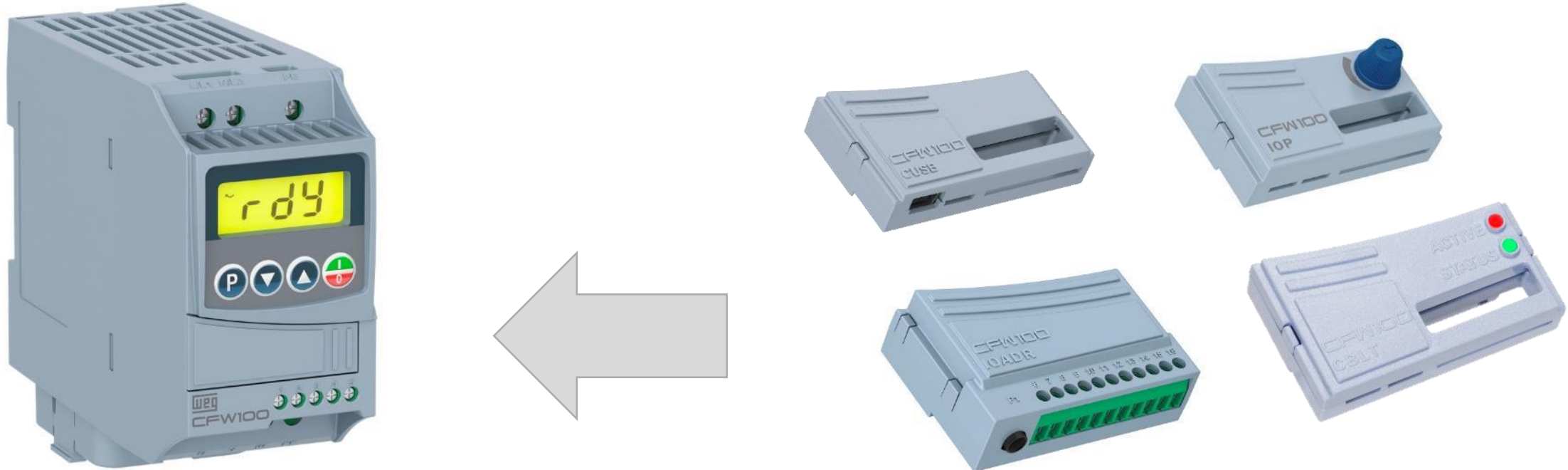


1. Built-in HMI
2. DIN rail mounting
3. Radio frequency filter
4. Easily removable fan
5. Plug-in modules that allow customizing the application

FLEXIBILITY

CFW100 – MICRO DRIVES

- The wide range of plug-in modules allows you to meet the requirements of any application!
- Excellent option for dealers, as it allows inventory optimization!



PLUG-IN MODULES

CFW100 – MICRO DRIVES

Configuration of the Plug-In Modules

Reference	Function								
	Inputs		Output		USB	Potentiometer	Infrared	Network communication	
	Analog	Digital ¹⁾	Analog	Relay digital				RS485	CANopen
CFW100-CRS485	-	-	-	-	-	-	-	1	-
CFW100-CCAN	-	-	-	-	-	-	-	-	1
CFW100-IOP	-	-	-	-	-	1	-	-	-
CFW100-CUSB	-	-	-	-	1	-	-	-	-
CFW100-IOA	1	-	1	-	-	-	-	-	-
CFW100-IOADR	1	-	-	3	-	-	1	-	-
CFW100-IOAR	1	-	-	1	-	-	-	-	-
CFW100-IOD ²⁾	-	4	-	-	-	-	-	-	-



CRS485



CUSB



IODR



CCAN



IOP



1 Remove the cover



2 Insert the selected plug-in module



Simple!



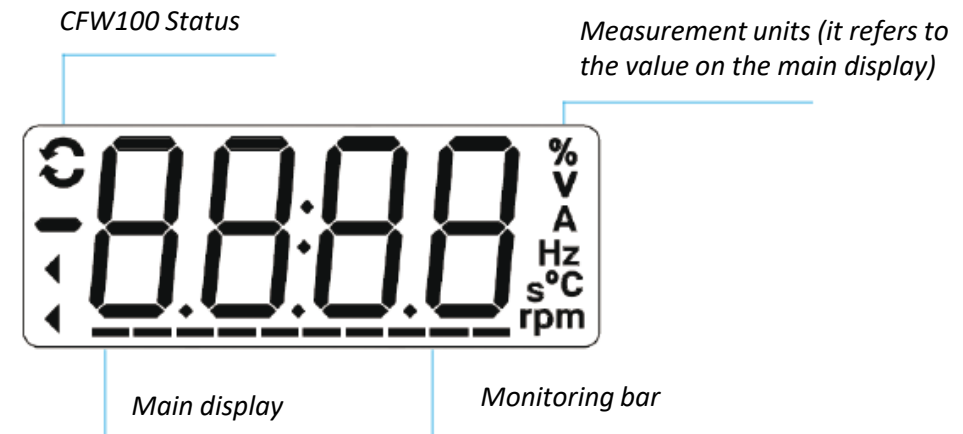
Built-in HMI

CFW100 – MICRO DRIVES

The smallest
VSD with 2
parameters



- Friendly programming
- Display of two parameters at the same time
- Operation diagnostics, status, alarms and faults



FLASH MEMORY MODULE - MMF

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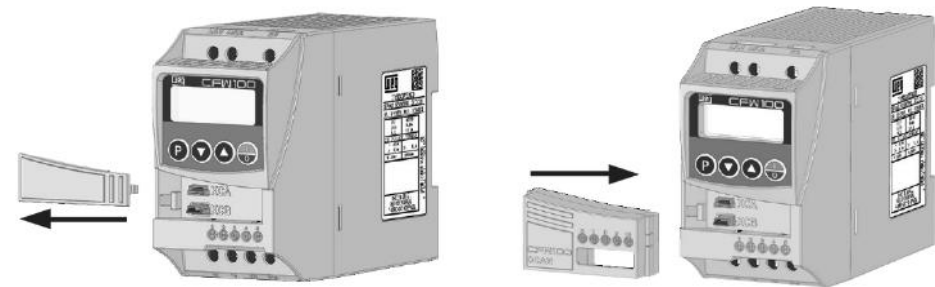
- It allows copying parameters and programming in ladder using the SoftPLC
- Internal battery with back up time for at least 5,000 procedures
- No need to power up the VSD to copy parameters
- Buttons to copy/download parameters between the MMF module and the inverter
- Password to access the user program written on the SoftPLC

REMOTE HMI

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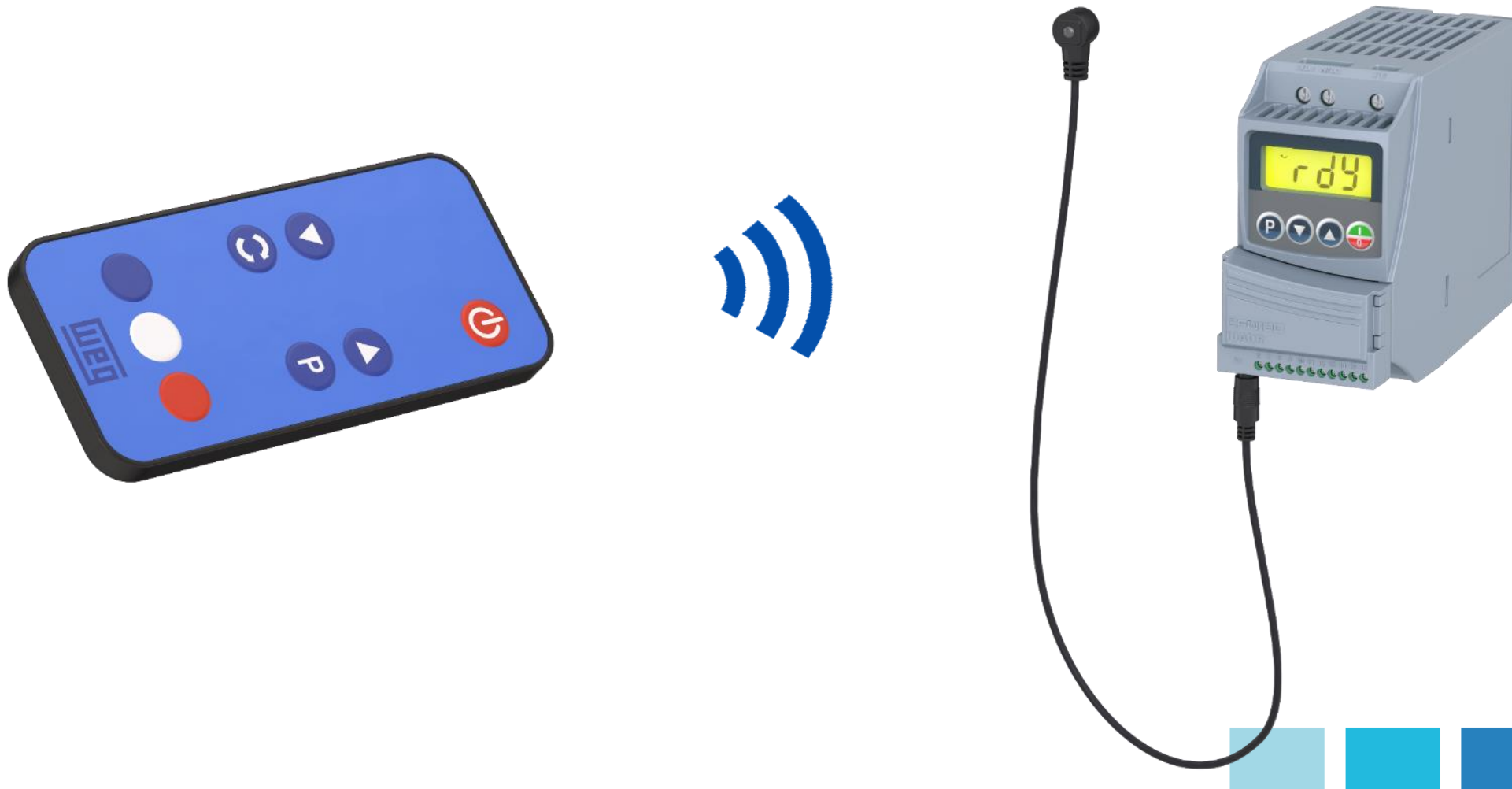


- Intuitive and easy-to-use HMI
- Display of up to two variables at the same time on the home screen
- Indication of engineering units and VSD status
- Connection through the CFW100-CRS485
- Easy connection via USB cable
- When the remote HMI (CFW100-HMIR) is in use, the local HMI remains inactive.



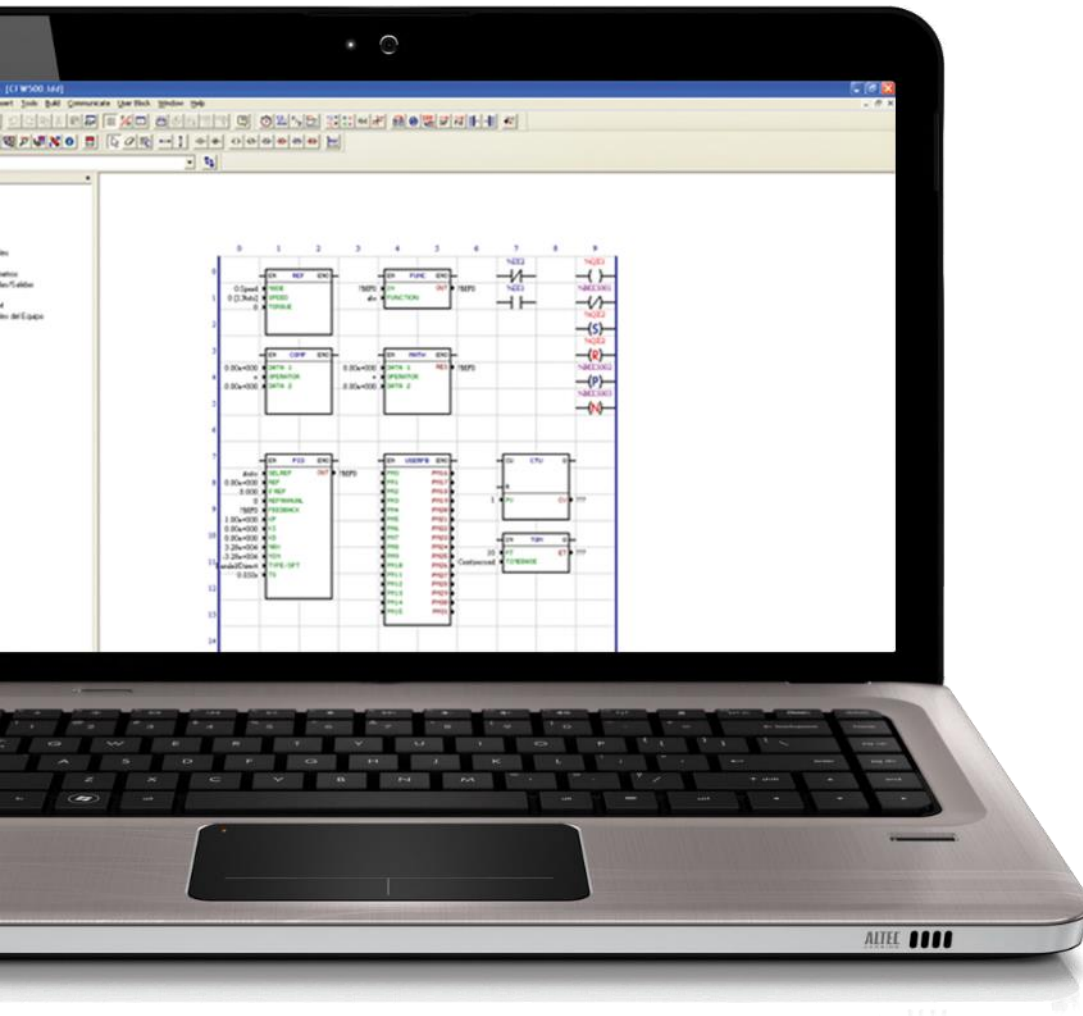
INFRARED REMOTE CONTROL

CFW100 – MICRO DRIVES



SOFTPLC FUNCTION

CFW100 – MICRO DRIVES



- PLC function in the VSD itself
- Internal memory capacity: 4k bytes (user program) and 408 bytes for parameters
- Programming window similar to the CFW500 and CFW11
- Online programming transfer and monitoring via plug-in module: RS485 or USB
- Ladder programming language
- 50 configurable user parameters
- Access to all parameters of the CFW100, I/O HMI

Free software! Access: www.weg.net

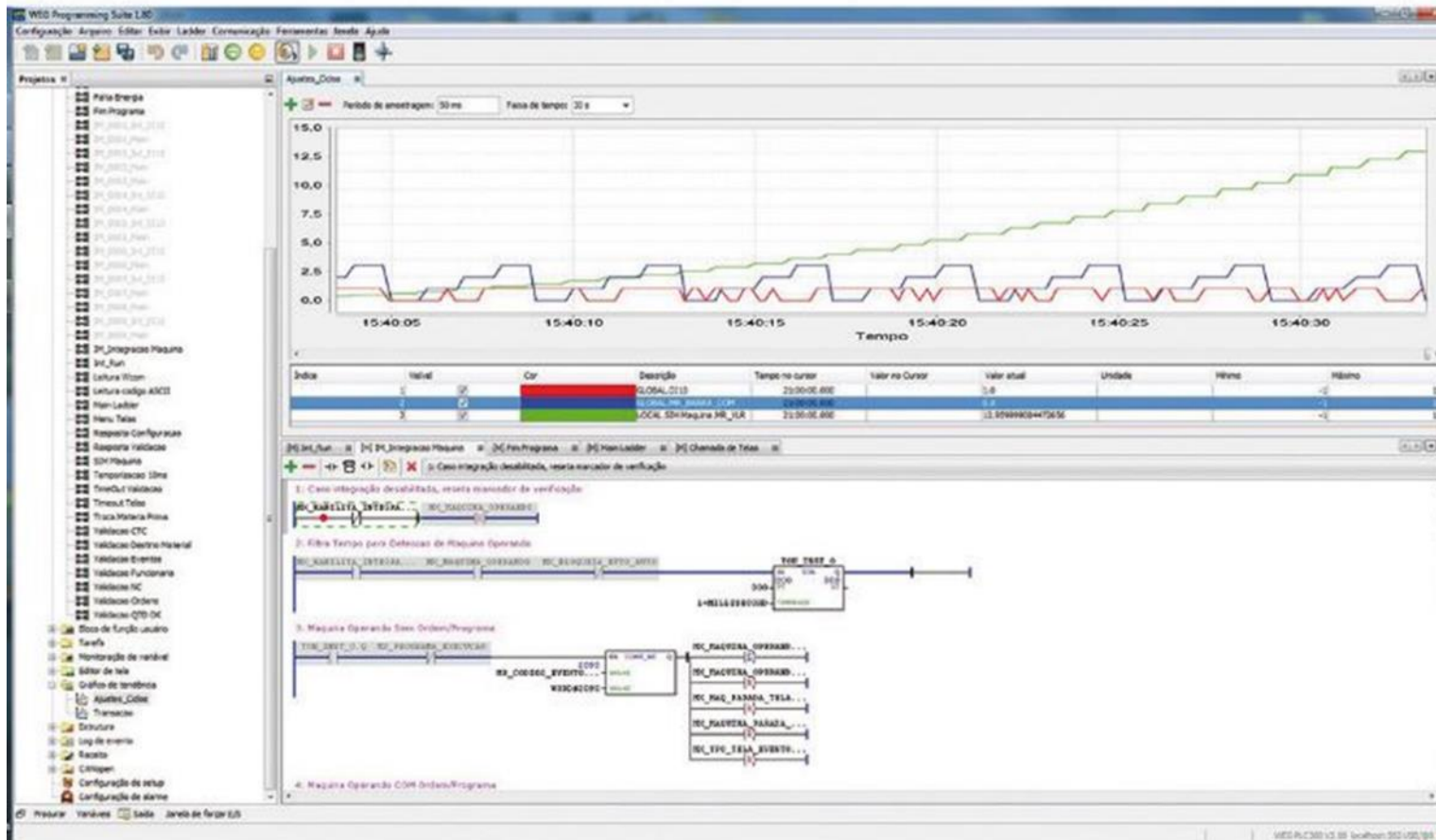


WEG Programming Software

CFW100 – MICRO DRIVES

Connect, Configure, Program,
and Monitor using WEG WPS
Software

Free software! Access:
www.weg.net



Thank you for your
time and attention.



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