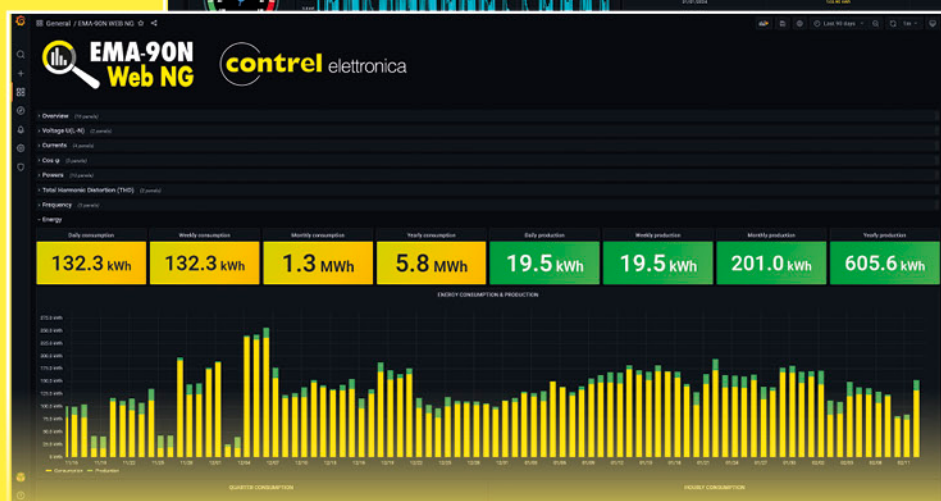


DASHBOARD SCREENSHOTS



Studio Massimo Covati

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EMA-90N Web NG

EMA-90 Web NG
The first product of the
Next Generation family
of Control analyzers.



The EMA-90N WebNG has an interactive web dashboard within itself, immediately available by connecting to the device with your PC, tablet or smartphone.

To ensure connectivity in any case, there are two network connections: the first a normal Ethernet port, the second an internal Wifi Access Point that is always on and available.



www.control.it



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ITALIAN DESIGN

■ FEATURES

EMA-90N WebNG is the pioneer of the Next Generation family of Contrel analyzers. Equipped with an interactive web dashboard, it revolutionizes access to network data, offering an unprecedented user experience.

Intuitive graphs show the progress of the measurements over the last year, with the possibility of zooming in, reading values and downloading them in CSV or Excel format directly from the dashboard. **No additional software needed!**

Large internal memory stores up to 10 years of history, ensuring quick and secure access to data.

Advanced features:

- Continuous collection of Modbus registers (voltages, powers, currents, energies...)
- Processing of quarterly, hourly and daily consumption
- Real-time and historical data display
- Data export in CSV or Excel format
- Configuration and access to the dashboard via web or via integrated Wi-Fi Access Point
- Daily data saving on Contrel cloud (optional)
- Modbus TCP

Flexible integration - The EMA-90N WebNG platform offers extensive possibilities for the development of custom components for integration with third-party systems.

EMA-90N WebNG: the key to comprehensive, intuitive and flexible network analysis.

Contrel, at your side for energy innovation.

Find out more: www.contrel.it



Per configurare via web e/o per usare la dashboard, ci si connette all'apparato, oltre che in ethernet, tramite un suo Access Point con nome univoco, usando un qualsiasi device Wi-Fi compliant (Smartphone, Tablet, Laptop, PC)



■ CONFIGURATOR

EMA-90N WEB NG

Device InfoNetwork SettingsTime SettingsReal-Time Measured Value

Real-Time Measured Value

3PH_VOLTAGE = 0.4 [V]
PHASE_VOLTAGE_L1 = 230.8 [V]
PHASE_VOLTAGE_L2 = 223.7 [V]
PHASE_VOLTAGE_L3 = 222.6 [V]
VOLTAGE_L1_L2 = 0.4 [V]
VOLTAGE_L2_L3 = 0.4 [V]
VOLTAGE_L3_L1 = 0.4 [V]
3PH_CURRENT = 0.041 [A]
CURRENT_L1 = 44.016 [A]
CURRENT_L2 = 41.728 [A]
CURRENT_L3 = 39.552 [A]
3PH_POWER_FACTOR = 1.000 [-]
POWER_FACTOR_L1 = 1.000 [-]
POWER_FACTOR_L2 = 1.000 [-]
POWER_FACTOR_L3 = 1.000 [-]
3PH_COSPHI = 1.000 [-]
COSPHI_L1 = 1.000 [-]
COSPHI_L2 = 1.000 [-]
COSPHI_L3 = 1.000 [-]
3PH_APPARENT_POWER = 28.295 [VA]
APPARENT_POWER_L1 = 10.158 [VA]
APPARENT_POWER_L2 = 9.333 [VA]
APPARENT_POWER_L3 = 8.803 [VA]
3PH_ACTIVE_POWER = 28.295 [W]
ACTIVE_POWER_L1 = 10.158 [W]
ACTIVE_POWER_L2 = 9.333 [W]
ACTIVE_POWER_L3 = 8.803 [W]
3PH_REACTIVE_POWER = 0.000 [VAR]
REACTIVE_POWER_L1 = 0.000 [VAR]
REACTIVE_POWER_L2 = 0.000 [VAR]
REACTIVE_POWER_L3 = 0.000 [VAR]
NEUTRAL_CURRENT = 0.000 [A]
FREQUENCY = 50.1 [Hz]
INT_TEMPERATURE = 47 [C]
VOLTAGE_THD_L1 = 2.0 [%]
VOLTAGE_THD_L2 = 2.0 [%]
VOLTAGE_THD_L3 = 2.0 [%]
CURRENT_THD_L1 = 3.0 [%]
CURRENT_THD_L2 = 3.0 [%]
CURRENT_THD_L3 = 3.0 [%]

EMA-90N WEB NG

Device InfoNetwork SettingsTime SettingsReal-Time Measured Value

Device Info

MAC Address:
02:28:f7:1a:8c:8b

ConSight ID:
20003

IP Configuration:
DHCP

IP Address:
192.168.0.65

Subnet Mask:
255.255.255.0

Default Gateway:
192.168.0.1

DNS:
8.8.8.8

Date/Time:
Automatic

Timezone :
Africa/Bamako

Primary NTP Server:
193.204.114.232

Secondary NTP Server:
193.204.111.105

EMA-90N WEB NG

Device InfoNetwork SettingsTime SettingsReal-Time Measured Value

Time Settings

Time Zone:
☐ Device Date/Time
☒ Automatic
Europe/Rome

Primary NTP Server:
193.204.114.232

Secondary NTP Server:
193.204.111.105

Save

EMA-90N WEB NG

Device InfoNetwork SettingsTime SettingsReal-Time Measured Value

Network Settings

IP Configuration:
☐ Manual network config
☒ Automatic (DHCP)

IP Address:
192.168.0.65

Subnet Mask:
255.255.255.0

Default Gateway:
192.168.0.1

DNS:
8.8.8.8

Save

EMA-90N WebNG

offers a specific Web application for configuration, available both via the Access Point and via the IP address that has been assigned to the device.

It will therefore be possible to **configure the IP address** and network parameters, the **Date/Time** wconfiguration and also access the electrical measurement verification. In the configuration menu there is a **“Real Time Measured Values”** item which allows you to **read the measurements detected by the instrument in real time** and print them on video.