

Smart Energy Panel – JPC 100-WEB



MONITOR ALL MEASURED ENERGY VALUES

Benefit from intuitive operation directly at the switchboard cabinet

USER-FRIENDLY FUNCTIONS

INTUITIVE OPERATION DIRECTLY AT THE SWITCHBOARD CABINET



VISUALIZATION

- Display all measured values for current and energy
- Display and store the most recent min. and max. values
- Use the topology view to see all connected devices
- Visualize both main and secondary measurements



USER MANAGEMENT

- Password protected display
- Create a hierarchical user structure
- Assign rights as needed



ALARMING

- Benefit from integrated alarm management
- Acknowledge pending alarms
- Store historical alarms
- Receive email notifications



CONFIGURATION

- Dynamic topology configuration of up to 93 devices
- Apply configurations to groups
- Use plug & play configuration via USB:
Import and export device configurations
- Label individual measurement channels,
set limit values per channel, and much more
- Preconfigured ex works



WEB



USB

DATA EXCHANGE

- Display the device homepage
- Export measurement data via USB
- Utilize optional remote access

GridVis®

COMPATIBILITY

- Use GridVis®
- Reporting function

ENERGY MONITORING

JPC 100-WEB: VISUALIZE THE MEASURED ENERGY VALUES FROM UP TO 93 DEVICES

The Smart Energy Panel JPC 100-WEB is ideal for optimal, central display and monitoring of measured energy values. Modbus slave devices (e.g. Janitza UMG 103-CBM) can be integrated using the gateway function of the master device or directly via the RS-485 interface.

Access measurement data regardless of location

The Smart Energy Panel's web capability provides direct access to the device homepage, even via remote access as an option. Remote access is also possible via TeamViewer. A USB port supports easy export of measurement data.

Analysis and documentation

The GridVis® power grid monitoring software can be used to evaluate, document and further process all energy data. GridVis® offers comprehensive reporting for this purpose.

Alarm management and data storage

A good overview of limit value violations allows hazards to be identified at an early stage. In addition, the "Email Notification" feature can be activated to take effect when thresholds are exceeded. Filter, acknowledge and store the initially defined limit values for voltage, current and power. Minimum and maximum values can also be stored.

ALL MEASURED ENERGY VALUES ARE DISPLAYED

Visualization & monitoring
Modbus-capable Janitza UMGs

3 MASTERS & 90 SLAVES

Flexibly select the number of slave devices to be assigned to one master device

DIRECT MODBUS CONNECTION

Slave devices are connected via RS-485

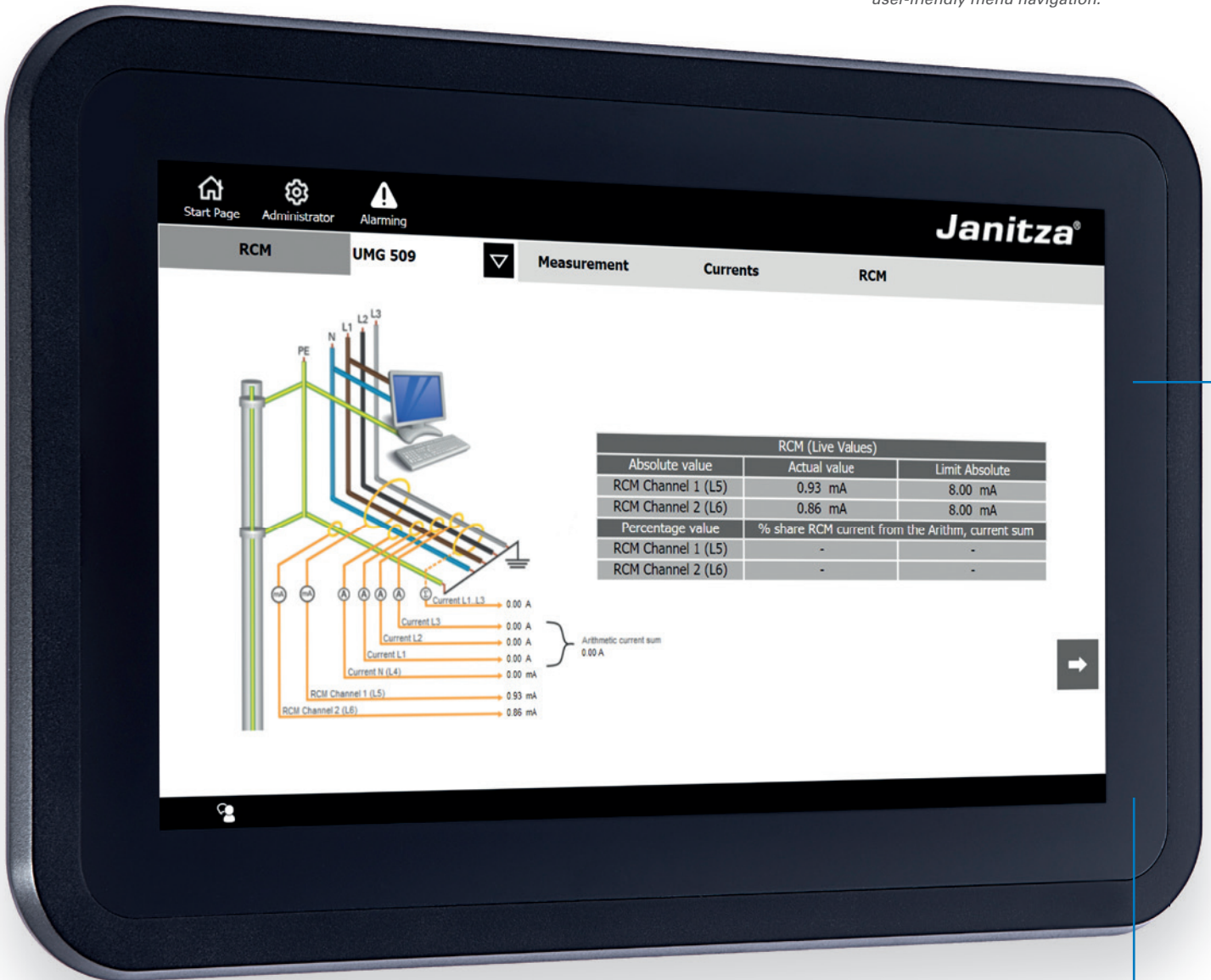
WEB-ENABLED

Direct worldwide access to the UMG device homepage



Smart Energy Panel – JPC 100-WEB

Visualize and monitor the measured energy values from all modbus-capable Janitza devices.
The clearly arranged 10-inch touch screen features simple and user-friendly menu navigation.



Feature

JPC 100-WEB, part no. 15.06.358

Supply voltage	24 VDC
RS-485 interface	•
Masters/Slaves	3/90
Remote access	TeamViewer, Microbrowser
Web browser	•
Android Apps can be installed later on	•
Size	10"

- = not included

• = included

For detailed technical information, please refer to the operating manual that can be found at www.janitza.com

Smart Energy Panel – JPC 100-WEB

The screenshot shows the Janitza JPC 100-WEB start page. At the top, there are navigation icons for 'Start Page', 'Administrator', and 'Alarming', along with the Janitza logo. The main content is divided into two sections: 'Master Selection' and 'Measurement Slaves'.

Master Selection: This section includes buttons for 'Master RTU', 'Master TCP/IP 1', 'Master TCP/IP 2', 'Master TCP/IP 3', and 'Configuration'. A small image of a Janitza device is shown next to a table of phase data.

Phase	ULN	P	I
L1	227 V	2.10 kW	36.4 A
L2	227 V	512 W	33.4 A
L3	227 V	1.72 kW	31.8 A

Measurement Slaves: This section displays a grid of measurement slave devices with their respective readings and 'Details' buttons.

Device	Parameter	Value
UMG 20 CM	I1	1.53 A
	I2	2.56 A
	I3	3.66 A
20CM CT-6	I1	1.51 A
	I2	2.50 A
	I3	3.50 A
RCM 202-AB	I1	6225 mA
	I2	1719 mA
RCM 201-Rogo	RCM-Messwert	1.54 A
	RCM-Messwert	1542.00 mA
UMG 806	L1	226 V
	L2	226 V
	L3	226 V
UMG 96 RM	L1	226 V
	L2	226 V
	L3	226 V
UMG 605-PRO	L1	226 V
	L2	226 V
	L3	226 V

JPC 100-WEB – Start page with energy measurement device overview

The screenshot shows the 'Slave Configuration' page for a 'UMG 20 CM' device. The page is divided into 'Master' and 'Slave' configuration sections. The 'Master' section includes fields for Device Name, Type, Active status, Modbus Address, Belongs To Master, RCM Active, Nominal Current [A], and Nominal Current Limit [%]. The 'Slave' section includes Channel Configuration (Name, Transformer Type, Primary, Burden [mOhm], Voltage Channel, Overcurrent Warning Level, Overcurrent Alarm Level, Enable Low Pass Filter, Delay Time [*10ms]) and an 'Alarm Configuration' button.

JPC 100-WEB – Configuration of communication-capable Janitza Modbus master* and slave devices**

- * UMG 806, UMG 96-RM-E, UMG 96-PA, UMG 604-PRO, UMG 605-PRO, UMG 801, UMG 509-PRO and UMG 512-PRO
- ** UMG 806, UMG 96-RM-E, UMG 96-PA, UMG 604-PRO, UMG 605-PRO, UMG 509-PRO, UMG 512-PRO, UMG 20 CM, 20CM-CT-6, UMG 96 RM, UMG 96 RM-EL, UMG 96 RM-P, UMG 96 RM-PN, UMG 96 RM-CBM, UMG 103 CBM, RCM 201-ROGO, RCM 202-AB and MID B2x meter

Janitza electronics GmbH
Vor dem Polstück 6 | 35633 Lahnau
Germany

Phone: +49 6441 9642-0
info@janitza.com | www.janitza.com

Sales partner

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The latest version of the brochure is available at www.janitza.com