

Smart Energy Panels – JPC 100-WEB & JPC 70



MONITORING OF ALL ENERGY MEASURED VALUES

Intuitive operation directly at the system switch cabinet

USER-FRIENDLY FUNCTIONS

INTUITIVE LOCAL OPERATION DIRECTLY AT THE SYSTEM'S SWITCH CABINET



VISUALISATION

- Display of all current and energy measured values
- Display and storage of the last minimum and maximum values
- Topology view of the connected devices
- Visualisation of the main and ancillary measurements



USER MANAGEMENT

- Password-protected display
- Creation of a hierarchical user structure
- User rights



ALARM

- Integrated alarm management
- Acknowledgement of pending alarms
- Saving of historical alarms
- E-mail notification



CONFIGURATION

- Dynamic topological configuration of up to 33 devices
- Group transfer of the configuration
- Plug & Play configuration via USB:
import and export of device configurations
- Labelling of the individual measurement channels,
threshold values can be set per channel, etc.
- Factory pre-configured



WEB



USB

DATA EXCHANGE

- Display of the device homepage
- Export of measurement data via USB
- Optional remote access

GridVis®

COMPATIBILITY

- Access to master and slave devices via GridVis®
- Reporting function

ENERGY MONITORING

JPC 100-WEB: VISUALISATION OF THE ENERGY MEASURED VALUES OF UP TO 33 DEVICES

Visualisation and monitoring of the energy measured values of all Modbus-enabled Janitza devices. The clear 10-inch touchscreen is characterised by its simple and user-friendly menu navigation.



DISPLAY OF ALL ENERGY MEASURED VALUES

Visualisation & monitoring of Modbus-enabled Janitza UMGs

3 MASTERS & 30 SLAVES

Flexibly selectable number of assignments of slave devices to a master device

DIRECT MODBUS CONNECTION

Connection of slave devices via RS-485

WEB-ENABLED

Direct, worldwide access to the UMG device homepage

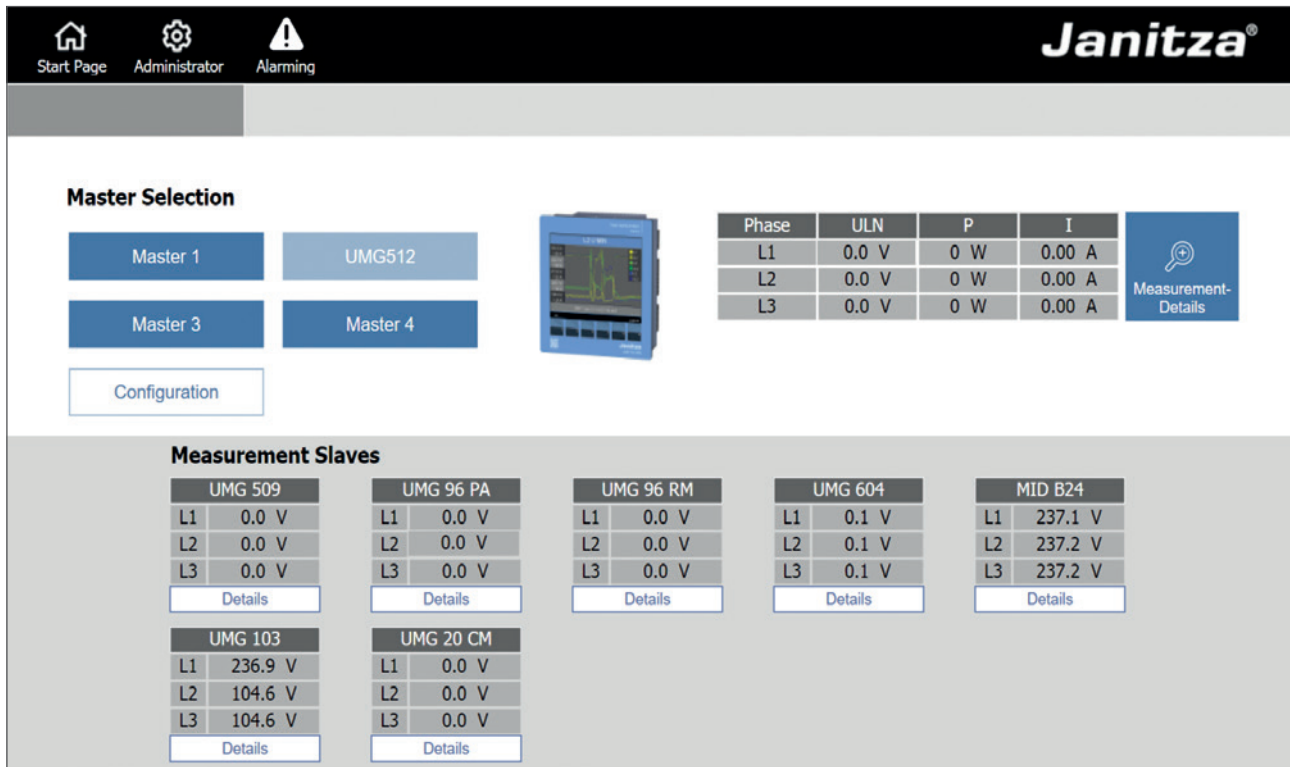
The Smart Energy Panel JPC 100-WEB is used for optimum, central display and monitoring of energy measured values. Modbus slave devices (e.g. Janitza UMG 103-CBM) are integrated either via the gateway function of the master device or directly via the RS-485 interface.

Measurement data independent of location: Direct access to the device homepage, optionally also via remote access, is provided by the web capability of the Smart Energy Panel. Remote access is also possible via TeamViewer. A USB connection provides for simple export of the measurement data.

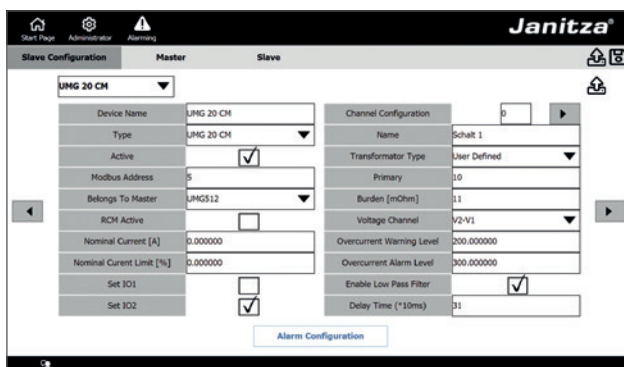
Analysis and documentation: With the GridVis® software the energy data can be evaluated, documented and further processed. GridVis® offers comprehensive reporting for this purpose.

Alarm management and data storage: The clear presentation of threshold value exceedances enables hazards to be identified at an early stage. In addition, the e-mail notification function can be activated in the event of violations. Initially defined threshold values for voltage, current and power can be filtered, acknowledged and stored. The storage of minimum and maximum values is also possible.

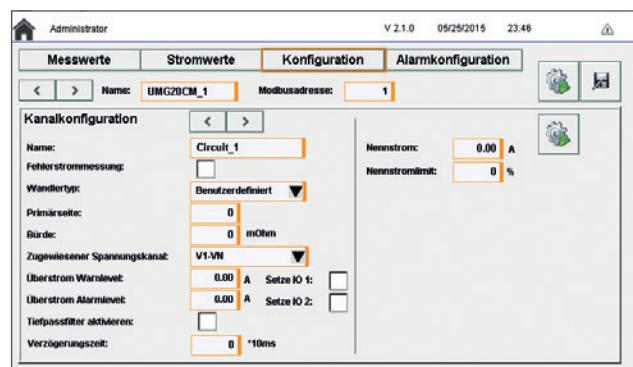
JPC 100-WEB & JPC 70



JPC 100-WEB – Homepage energy measurement device overview



JPC 100-WEB – Configuration of all communication-enabled Janitza Modbus master and slave devices



JPC 70 – Configuration of compatible Janitza Modbus master devices* and slaves (UMG 20CM).

* UMG 96-RM-E, UMG 604-PRO, UMG 605-PRO, UMG 509-PRO, UMG 512-PRO and ProData

Feature	JPC 70, Item no. 15.06.356	JPC 100-WEB, Item no. 15.06.358
Supply voltage	24 V DC	24 V DC
RS-485 interface	–	•
Masters /Slaves	1/10	3/30
Remote access	VNC	TeamViewer, Microbrowser
Web browser	–	•
Android apps can be installed later	–	•
Size in inches	7"	10"

For detailed technical information please refer to the operating manual at www.janitza.com

– = not included

• = included

CURRENT CHANNEL MONITORING

JPC 70: MONITORING OF UP TO 200 CURRENT CHANNELS



Display with informative 7-inch touchscreen for optimum display of the most important power supply parameters. Menu navigation of the Smart Energy Panel JPC 70 is simple and user-friendly.

With the Smart Energy Panel JPC 70, channel-specific measured values of the Janitza current monitoring device UMG 20CM, such as alarms for example, can be shown locally, directly in the switchgear. The Smart Energy Panel JPC 70 is ideally suited for front panel integration and can be controlled by remote access via Ethernet. A display of warning or fault messages is possible over several levels in the topology view and serves to quickly identify faults in the power supply (operating and residual currents). The Smart Energy Panel JPC 70 enables the integration of one master and ten slave devices. The RS-485 communication interface can be integrated via Ethernet.

Usability and structure of the JPC 70 are similar to the JPC 100-WEB. The informative 7-inch touchscreen of the Smart Energy Panel JPC 70 features simple and user-friendly menu navigation. In addition, the JPC 70 offers the option of e-mail notification when limit values are exceeded, storage of minimum and maximum values of current and energy data and access to master and slave devices using the GridVis®.

ALARM MANAGEMENT

Display of warning or fault messages over several levels in the topology view

RAPID LOCALISATION OF FAULTS

Faults in the power supply for operating and residual currents (RCM) can be quickly detected

1 MASTER & 10 SLAVES

Assignment of 10 slave devices to one master device

DISPLAY OF THE UMG 20CM CURRENT CHANNELS

Channel-specific measured values of the UMG 20CM can be displayed locally, directly in the switchgear

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