

## GridVis® OVERVIEW OF VERSIONS



SYSTEM FUNCTIONS				
Device configuration	•	•	•	–
User management	–	•	•	•
TLS encryption	–	•	•	•
Monitoring of device communication	–	•	•	•
Software-based measured value recording	–	•	•	•
Server-based service	–	•	•	–
Database (MySQL, MSSQL)	–	•	•	–
Automation	–	•	•	–
Key performance indicators	–	–	•	–
Alarm management	–	–	•	–
Email dispatch	–	–	•	•
Software as a Service (SaaS)	–	–	–	•

VISUALIZATION				
Energy and measured value analysis	*	*	*	–
Event & transient analysis	*	*	*	–
Hierarchy management	–	*	*	*
Customized list function	–	*	*	–
Customized dashboards	–	*	*	–
Sankey diagram	–	–	*	–
Static dashboards	–	–	–	*

REPORTS AND EXPORTS				
Basic package	•	•	•	–
RCM (Residual Current Monitoring)	•	•	•	–
Power quality	•	•	•	–
Energy monitoring	–	•	•	•
Energy management	–	•	•	–
Customized reports	–	–	•	–

CONNECTIVITY				
Data import (CSV & MSCONS)	–	•	•	–
REST API	–	•	•	–
Data export (MSCONS)	–	–	•	–
OPC UA Client	–	–	•	–
Third-party Modbus devices	–	–	•	•





## OUR EXPERTISE – YOUR BENEFITS

Products are manufactured according to the latest research and with the latest manufacturing technology. Quality management at Janitza is an ongoing corporate task for our management team. Extensive know-how, expert consultation, and concept development right through to commissioning custom solutions fulfil the wishes and requirements of customers.

**www.janitza.com**

## CURRENT TRANSFORMERS

## The link between energy and measurement technology

Janitza has a broad portfolio of current transformers ranging from operating current transformers and residual current transformers in a wide variety of designs. The range is supplemented by special current transformers such as Rogowski coils or low-power transformers. This ensures the right transformer for every application and installation situation.

**Areas of application:**

- Conversion of high primary currents into secondary currents .../1 A, .../5 A or 333 mA
- Various CT classes e.g. 1 and 0.5
- Transformers in different sizes for busbar and cable
- Residual current transformers (incl. type A and type B+)
- Wide range of designs for various installation situations e.g. simple retrofit

# Janitza®

Type
Item number
Use in three-phase 4-conductor systems with grounded neutral conductor up to max.
Use in three-phase 3-conductor systems ungrounded up to max. Supply voltage
Three conductor / four conductor (L-N, L-L)
Quadrants
Sampling frequency 50/60 Hz
Meter reading cycle as per PTB-A 50.7
Effective value from periods (50/60 Hz)
Residual current inputs
Current measuring channels
Thermistor input
Harmonics current V / A
Distortion factor THD-U / THD-I in %
Unbalance
Short / long-term flicker
Transients
Short-term interruptions
Accuracy V; A
IEC 61000-4-30
Active energy class
Digital inputs
Digital / pulse output
Analog output
Memory for min. / max. values
Memory size / recording duration (according to factory setting)
Clock
Integrated logic
Web server / Email
APPs: Measured value monitor, EN 50160 & IEC 61000-2-4 Watchdog
Fault recorder function
Peak load optimization
GridVis® software for energy management and network analysis
GridVis® Items
RS-232
RS-485
USB
D-Sub 9 plug (Profibus)
M-Bus
Ethernet
Modbus RTU
Modbus Gateway
Profibus DP V0
Modbus TCP/IP, Modbus RTU over Ethernet
SNMP
OPC UA
BACnet IP
Profinet

UMG 96-S2

## Energy analyzer with Ethernet

## Multifunctional energy analyzer

Modularly expandable network analyzer (MID, meter reading cycle)

## Modular expansion for the UMG 96-PA & UMG 96-PQ-L

## Multifunctional power quality analyzer

**Certified power quality analyzer (Class A according to IEC 61000-4-30)**