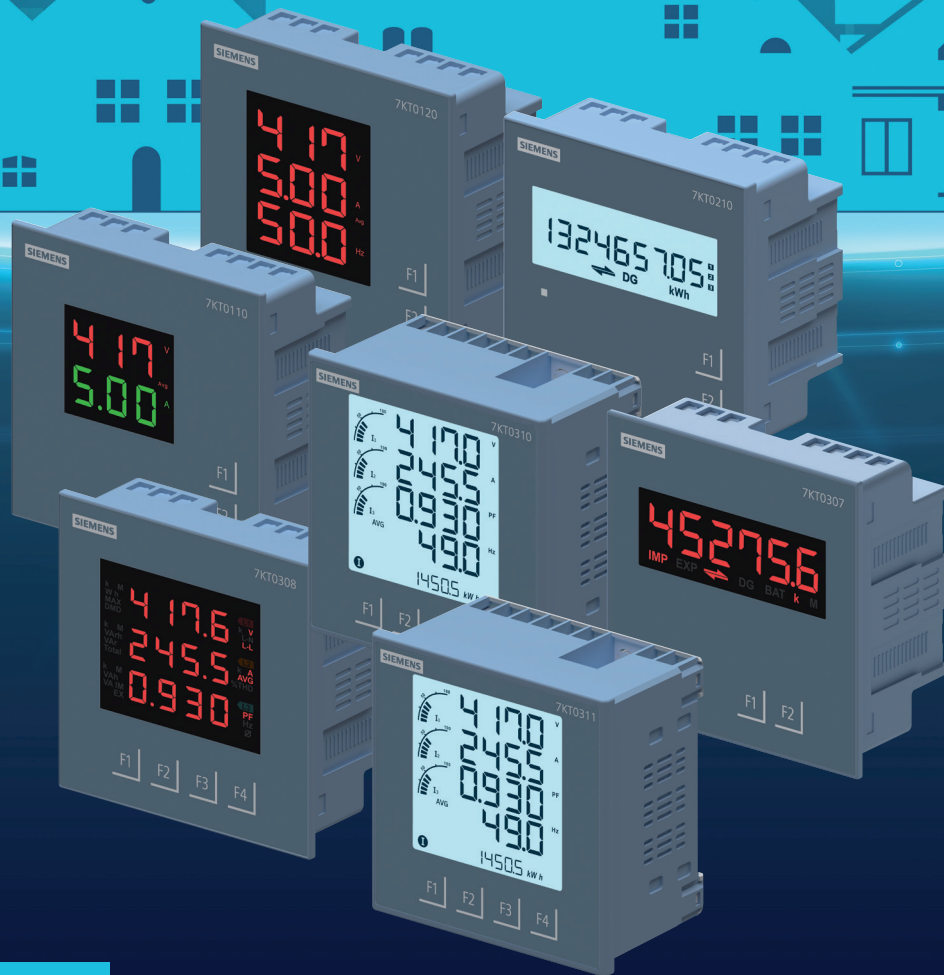


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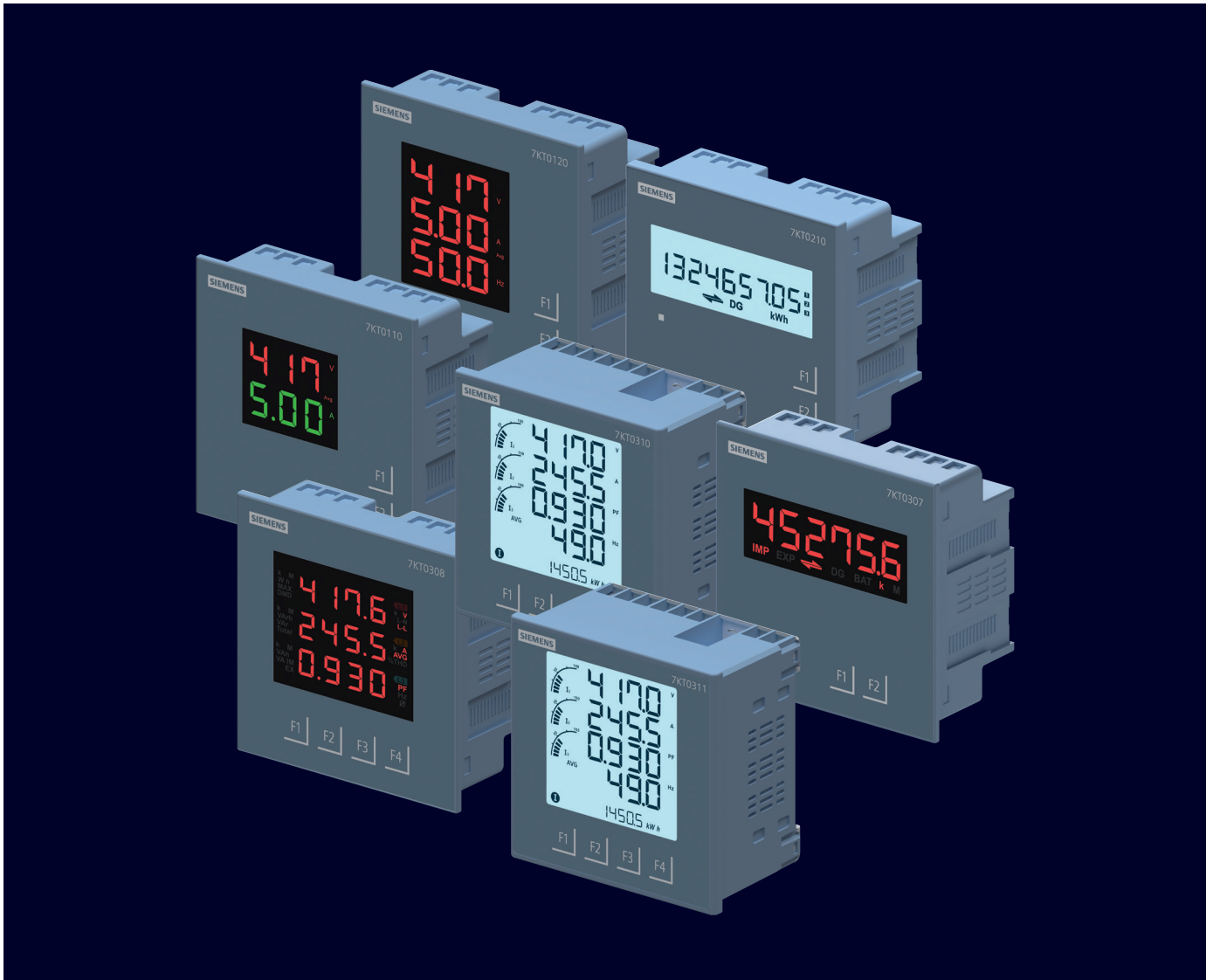


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SMART 7KT

Power Monitoring Devices

Expanding the reach of technology



The core component of intelligent power distribution is energy management and the SMART 7KT devices are cornerstone in facilitating the same. Only a robust and accurate sensor can ensure precise and effective energy management. Based on this premise, the entire range of SMART 7KT devices were designed.

These devices comply with the latest IEC standards, have been rigorously tested to ensure that you get the best product

to meet all your power monitoring demands. The meters comply with stringent standards in design and manufacturing processes to assure cybersecurity to your plant and processes. The sustainability of our customers and environment is assured by these RoHS compliant devices. In view of the various applications and advisement of IEC standards like IEC 60364-8-1, SMART 7KT devices have been designed to specifically suit the various uses.

SMART 7KT

Discrete Panel Meter

Accurate and easy visualization for all the basic measurement requirements

Discrete panel meters are most suited when the visual reading of basic parameters like voltage, current and frequency are required. The meters with a bright, large and multi coloured LED ensures high visibility even in dimly lit panel rooms. Energy meters, for dual sources, with integrated communication is the answer when only accurate energy recording is required.

Features:

- Tested accuracy as per IEC 61557-12 and IEC 62053-21
- RoHS compliant
- Modern aesthetics with soft touch keys

VA meter 7KT0110

- Large and bright LED display helps long-distance viewing of parameters
- Ease of identification with different colors of LED
- Easy control with soft touch keys
- Simple tool-less click fit arrangement reduces installation time



VAF meter 7KT0120

- Large and bright LED display enables long-distance viewing of parameters
- Easy control with soft touch keys
- Simple tool-less click fit arrangement reduces installation time
- Accurate RPM measurement



3 Phase Energy Meter 7KT0210

- Large and bright LCD display with 9 digits for higher resolution
- Dual source energy measurement
- Easy control with soft touch keys
- Simple tool-less click fit arrangement reduces installation time



SMART 7KT

Multi Function Meter

Broad range of uses in industry and infrastructure

For ensuring that energy management happens in accordance with ISO 50000 standards, accurate measurement of the electrical parameters are mandatory. Also, additional data like THD will help to know the influence of the load on the system – thereby helping to maintain a good power quality which in turn would mean lesser energy costs and losses. The multi-function meters, the basis for all these measurements, are hence the cornerstone for any power distribution and energy management systems.

Features:

- Tested accuracy as per IEC 61557-12 and IEC 62053-21 / IEC 62053-22 / IEC 62053-23
- RoHS compliant
- Modern aesthetics with soft touch keys
- Integrated Modbus RTU communication over RS 485
- Measurement of 30x electrical parameters

Single Line LED Class 1 7KT0307

- Integrated communication ensures that the meter is digitalization ready
- Site settable CT and PT ratios reduces inventory
- Easy control with soft touch keys
- Simple tool-less click fit arrangement reduces installation time
- Four-quadrant measurement helps the customer in comprehensive energy management



Multi Line LED Class 1

7KT0308

- Large LED display for ease of visualization
- Integrated communication ensures that the meter is digitalization ready
- Site settable CT and PT ratios reduces inventory
- Easy control with soft touch keys
- Simple tool-less click fit arrangement reduces installation time
- Four-quadrant measurement helps the customer in comprehensive energy management
- Integrated DI to communicate the status of the breaker without additional hardware



LCD Class 1

7KT0310

- Large backlit LCD display for ease of visualization
- Graphical display makes it easy to visualize the current loading
- Integrated communication ensures that the meter is digitalization ready
- Site settable CT and PT ratios reduces inventory
- Simple tool-less click fit arrangement reduces installation time
- Four-quadrant measurement helps the customer in comprehensive energy management
- Integrated DI to communicate the status of the breaker without additional hardware



LCD Class 0.5s

7KT0311

- Large backlit LCD display for ease of visualization
- Graphical display makes it easy to visualize the current loading
- Integrated communication ensures that the meter is digitalization ready
- Site settable CT and PT ratios reduces inventory
- Simple tool-less click fit arrangement reduces installation time
- Four-quadrant measurement helps the customer in comprehensive energy management
- Integrated DI to communicate the status of the breaker without additional hardware
- Configurable DI / DO for load management and integrating the energy values in other systems like BMS



SMART 7KT

Power Monitoring Devices

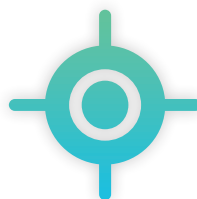
Parameters	SMART 7KT Multi Function Meter				SMART 7KT Discrete Panel Meter		
	7KT0311	7KT0310	7KT0308	7KT0307	7KT0110	7KT0120	7KT0210
Accuracy	Class 0.5s (active energy)	Class 1 (active energy)	Class 1 (active energy)	Class 1 (active energy)	Class 1	Class 1	Class 1 (active energy)
Measured parameters	All parameters	All parameters	All parameters	All parameters	Voltage, Current	Voltage, Current, Frequency	Energy (dual source), Power, powerfactor
DI / DO	1 DI (dual source) + 1 DO	1 DI	1 DI	–	–	–	1 DI for dual source
Power quality measured parameters	THD, Individual harmonics	THD, Individual harmonics	THD, Individual harmonics	–	–	–	–
Communication protocol	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	–	–	Modbus RTU
Display	LCD with graphical display	LCD with graphical display	Multi line LED	Single line LED	Multi line LED (with different colours)	Multi line LED	Single line LCD
Import / Export	Yes	Yes	Yes	Yes	Not applicable	Not applicable	Not applicable



Compliant



Quality



Comprehensive



Versatile



Notes

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