For the combination of CMC test sets and Test Universe software, four different packages as well as optional add-ons are offered, which are tailored to diverse focal points of use. Each of these packages contains a selection of software modules that can be either used independently from each other for single tests or be embedded into test plans for automated testing:

- **Essential**: offers a good introduction with basic functions and modules; can serve as a foundation for individually compiled packages
- **Standard**: contains all modules that are typically used for settings-based testing of protection devices
- **Enhanced**: like Standard, specifically extended by functions for system-based testing and transient simulation as well as for free programming
- **Complete**: covers all functions and software modules that are offered for controlling CMC test sets

A package can be extended at any time by ordering additional single modules or optional add-ons.

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<th>Packages</th>
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<td>Standard</td>
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<td>IEC 61850 Basic</td>
<td>IEC 61850 Advanced</td>
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OMICRON Control Center
- Automation tool, document-oriented test plan, template and report form

QuickCMC
- Convenient manual testing in the Test Universe environment

State Sequencer
- Determining operating times and logical timing relations by state-based sequences

TransPlay
- Playback of COMTRADE files, recording of binary input status

Harmonics
- Generation of signals with superimposed harmonics

CB Configuration
- Module for setting the CB simulation

Ramping
- Determining magnitude, phase, and frequency thresholds by ramping definitions

Pulse Ramping
- Determining magnitude, phase, and frequency thresholds

Overcurrent ¹
- Automatic testing of positive/negative/zero sequence overcurrent characteristics

Distance
- Impedance element evaluations using single-shot definitions in the Z-plane

Advanced Distance
- Impedance element evaluations using automatic testing modes

VI Starting
- Testing of the voltage dependent overcurrent starting function of distance relays

Autoreclosure
- Testing of the autoreclosure function with integral fault model

Single-Phase Differential
- Single-phase tests of the operating characteristic and the inrush blocking

Advanced Differential
- Comprehensive three-phase differential relay testing (four modules)

Annunciation Checker
- Verification of the correct marshalling and wiring of protection devices

Power
- Testing with visualization and assessment in the P-Q plane (basic)

Advanced Power
- Testing with visualization and assessment in the P-Q plane (enhanced)

Advanced TransPlay
- Playback and processing of COMTRADE, PL4, or CSV files

Transient Ground Fault ⁴
- Simulation of ground-faults in isolated or compensated networks

Synchronizer
- Automatic testing of synchronizing devices and synchro-check relays

Meter
- Testing of single and multifunction energy meters

Transducer
- Testing of measurement transducers

PQ Signal Generator
- Simulation of power quality phenomena according to IEC 61000-4-30 and IEC 62586

IEC 61850 Client/Server
- Automatic SCADA testing in accordance with IEC 61850

GOOSE Configuration
- Testing with GOOSE according to IEC 61850

Sampled Values Configuration
- Testing with Sampled Values according to IEC 61850-9-2 ("9-2LE") and IEC 61869-9

CMControl P App
- Quick and easy manual testing of protection and measurement devices

RelaySimTest ⁴
- System-based protection testing by simulating realistic power system events

CM Engine
- Programming interface for controlling CMC test sets with user specific software

EnerLyzer / EnerLyzer Live
- Analog measurements and transient recording with CMC test sets

TransView
- Transient signal analysis for COMTRADE files

ADMO
- Asset and maintenance management for protection systems
- Test set management

IEDScout
- Universal software tool for working with IEC 61850 IEDs

 contained in all packages: Binary I/O Monitor, AuxDC Configuration, ISIO Connect (for ISIO 200), Polarity Checker (for CPOL2).

¹ CMC 356, CMC 256 plus, CMC 430 and CMC 353
² Includes licenses for Pause Module, ExeCute, TextView
³ Includes license for Overcurrent Characteristics Grabber
⁴ RelaySimTest license also includes the licenses for Transient Ground Fault and NetSim
⁵ Free trial version (time licensed) with full functionality included in all packages