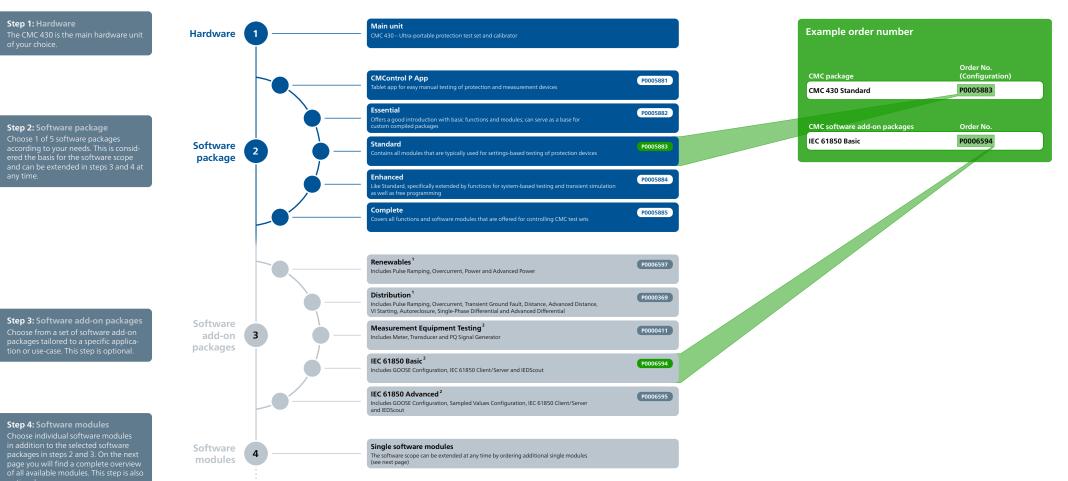


CMC 430

Ordering Information







Selectable for Essential Software Package
 Selectable for Essential, Standard, and Enhanced Software Package

Software packages



oftware modules	Order No.	Description
MICRON Control Center		Automation tool, document-oriented test plan, template and report form
ckCMC		Convenient manual testing in the Test Universe environment
e Sequencer		Determining operating times and logical timing relations by state-based sequences
ansPlay		Playback of COMTRADE files, recording of binary input status
rmonics		Generation of signals with superimposed harmonics
Configuration		Module for setting the CB simulation
mping		Determining magnitude, phase, and frequency thresholds by ramping definitions
lse Ramping	P0006818	Determining magnitude, phase, and frequency thresholds by pulse ramping definitions
/Control P App	P0000344	Quick and easy manual testing of protection and measurement devices
vercurrent	P0006821	Automatic testing of positive/negative/zero sequence overcurrent characteristics
stance	P0006816	Impedance element evaluations using single-shot definitions in the Z-plane
dvanced Distance ¹	P0006591	Impedance element evaluations using automatic testing modes
Starting	P0006820	Testing of the voltage dependent overcurrent starting function of distance relays
utoreclosure	P0006819	Testing of the autoreclosure function with integral fault model
ngle-Phase Differential	P0006824	Single-phase tests of the operating characteristic and the inrush blocking
dvanced Differential ¹	P0000296	Comprehensive three-phase differential relay testing (four modules)
nnunciation Checker	P0006830	Verification of the correct marshalling and wiring of protection devices
wer	P0006835	Testing with visualization and assessment in the P-Q plane (basic)
vanced Power ¹	P0000341	Testing with visualization and assessment in the P-Q plane (enhanced)
vanced TransPlay	P0006829	Playback and processing of COMTRADE, PL4, or CSV files
nsient Ground Fault	P0006823	Simulation of ground-faults in isolated or compensated networks
nchronizer	P0006822	Automatic testing of synchronizing devices and synchro-check relays
IEngine	P0006842	Programming interface for controlling CMC test sets with user specific software
laySimTest ²	P0000367	System-based protection testing by simulating realistic power system events
aySimTest Adv. Transformer Features		Advanced transformer features for differential protection in RelaySimTest
laySimTest Motor Features	P0008107	Motor features for asynchronous motor simulation in RelaySimTest
eter	P0006841	Testing of single and multifunction energy meters
insducer	P0006840	Testing of measurement transducers
Q Signal Generator	P0006832	Simulation of power quality phenomena according to IEC 61000-4-30 and IEC 62586
C 61850 Client/Server	P0006834	Automatic SCADA testing in accordance with IEC 61850
OOSE Configuration	P0006831	Testing with GOOSE according to IEC 61850
ampled Values Configuration	P0006833	Testing with Sampled Values according to IEC 61850-9-2 ("9-2 LE") and IEC 61869-9
nerLyzer Live	P0006593	Analog measurements and transient recording with CMC test sets
ransView ⁴		Transient signal analysis for COMTRADE files
ransView EDScout	P0006837	Transient signal analysis for COMTRADE files Universal software tool for working with IEC 61850 IEDs

Software modules

5

The Advanced modules include their basic counter parts (e.g. Advanced Power includes the Power Module) RelaySimTest license also includes the licenses for Transient Ground Fault and NetSim TransView is included with Enertyper Live but can also be ordered seperately

 \bigcirc



Step 6: Accessories

others, tailored to a specific application or use-case. This step is optional, but recommended to get the full potential of the solution.

6

Accessories

Accessory Order No. Wiring accessory package B1764601 Generator combination cable Yellow, green, violet, blue B1328000 Red, yellow, blue, black B1328100 Mini wireless USB adapter E1636800 B1636100 Transport case E1636000 Trolley/Backpack CMGPS 588 P0006433 CMIRIG-B P0006386 TICRO 100 P0000604 P0006508 OTMC 100p portable EMCON 200 P0006504 TWX1 P0006385 CPOL2 P0006331 LLX1¹ P0006381 LLX2 P0006382 LLX3 P0006383 LLX4 P0006384 P0006498 ISIO 200 RXB1 P0006392 SER1 P0006388 CMS 356² P0001357 VBO3 P0006276 C-Probe 1 P0006434 C-Shunt 1 B0620201 C-Shunt 10 B0620301 ARC 256x P0006279 SEM 1 P0006391 SEM 2 P0006390 SEM 3 P0006389 CMLIB B P0006377

escription	
rious adapters for connecting test objects to CMC test sets	
ree-phase connection between CMC test set and the test object	
r wireless control of a CMC test set	
eavy-duty transport case with wheels and extendable handle for sa	fe & easy transport and shipping
olley / Backpack for simple mechanical protection	
S controlled time synchronization unit	
erface box for sending or receiving the IRIG-B protocol or PPS sign	als
E1588/PTP time converter	
P grandmaster clock	
P transparent Ethernet media converter	
sting traveling wave protection relays and fault locators	
indheld polarity checker	
w level accessory unit for testing devices with sensor inputs	
w level accessory unit for external amplifiers and accessories	
w level accessory unit with 4 mm sockets	
w level accessory unit for recloser and sectionalizer controls	
nary I/O terminal	
nary output extension	
anning equipment for scanning the status indication LEDs of prote	ection relays
phase current and 4-phase voltage amplifier	
ree-phase voltage transformer for up to 600 V (L-N)	
and DC current clamp with voltage output	
$n\Omega$ precision shunt for current measurements	
$\ensuremath{m}\Omega$ precision shunt for current measurements	
c flash initiator for testing arc flash protection systems	
anning head for testing meters with optical pulse output	
anning head for testing meters with rotating disc or optical pulse o	putput
agnetic scanning head for testing meters with optical pulse output	:
r tests with reference meters and to access the binary transistor ou	touts

Requires device-specific test cables. For a list of available cables please visit www.omicronenergy.com/llx1 Requires LLX2