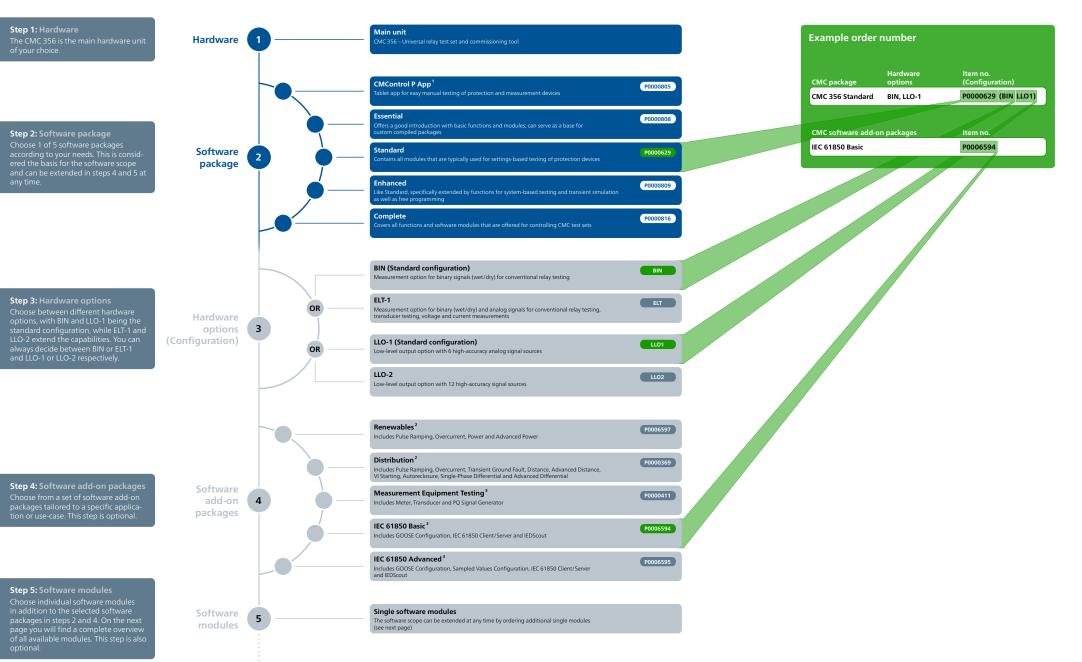


CMC 356

Ordering Information







Also available on a dedicated front panel control device (Item no. P0000973)

² Selectable for Essential Software Package
 ³ Selectable for Essential, Standard, and Enhanced Software Package

Software packages



Software modules	Item no.	Description
MICRON Control Center		Automation tool, document-oriented test plan, template and report form
uickCMC		Convenient manual testing in the Test Universe environment
ate Sequencer		Determining operating times and logical timing relations by state-based sequences
ransPlay		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
se 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
ercurrent	P0006821	Automatic testing of positive/negative/zero sequence overcurrent characteristics
tance	P0006816	Impedance element evaluations using single-shot definitions in the Z-plane
vanced Distance ¹	P0006591	Impedance element evaluations using automatic testing modes
tarting	P0006820	Testing of the voltage dependent overcurrent starting function of distance relays
toreclosure	P0006819	Testing of the autoreclosure function with integral fault model
gle-Phase Differential	P0006824	Single-phase tests of the operating characteristic and the inrush blocking
vanced Differential ¹	P0000296	Comprehensive three-phase differential relay testing (four modules)
nunciation Checker	P0006830	Verification of the correct marshalling and wiring of protection devices
ver	P0006835	Testing with visualization and assessment in the P-Q plane (basic)
anced Power ¹	P0000341	Testing with visualization and assessment in the P-Q plane (enhanced)
nced TransPlay	P0006829	Playback and processing of COMTRADE, PL4, or CSV files
sient Ground Fault	P0006823	Simulation of ground-faults in isolated or compensated networks
chronizer	P0006822	Automatic testing of synchronizing devices and synchro-check relays
Ingine	P0006842	Programming interface for controlling CMC test sets with user specific software
aySimTest ²	P0000367	System-based protection testing by simulating realistic power system events
laySimTest Adv. Transformer Features	P0006853	Advanced transformer features for differential protection in RelaySimTest
aySimTest Motor Features	P0008107	Motor features for asynchronous motor simulation in RelaySimTest
ter	P0006841	Testing of single and multifunction energy meters
nsducer ³	P0006840	Testing of measurement transducers
Signal Generator	P0006832	Simulation of power quality phenomena according to IEC 61000-4-30 and IEC 62586
61850 Client/Server	P0006834	Automatic SCADA testing in accordance with IEC 61850
OSE Configuration	P0006831	Testing with GOOSE according to IEC 61850
mpled Values Configuration	P0006833	
erLyzer ³	P0006601	Analog measurements and transient recording with CMC test sets
ansView ⁴	P0006837	Transient signal analysis for COMTRADE files
DScout	P0006493	Universal software tool for working with IEC 61850 IEDs

Software 5 modules

¹ The Advanced modules include their basic counter parts (e.g. Advanced Power includes the Power Module) ² RelaySimTest license also includes the licenses for Transient Ground Fault and NetSim ³ Requires ELT-1 hardware option (configuration) Trans/few is included with Enertyzer but can also be ordered seperately



Step 6: Ac	cessor		
In the last st	ep, yoi		
large numb	er of b	asic a	

In the last step, you can choose from a large number of basic accessories and others, tailored to a specific application or use-case. This step is optional, but recommended to get the full potential of the solution.

Accessories 6

Accessory	Item no.	Description
Wiring accessory package	B1764601	Various adapters for co
Generator combination cable		Three-phase connectio
Yellow, green, violet, blue	B1328000	
Red, yellow, blue, black	B1328100	
Mini wireless USB adapter	E1636800	For wireless control of a
Transport case	B0679403	Heavy-duty transport of
Trolley/Backpack	E1636000	Trolley / Backpack for s
CMGPS 588	P0006433	GPS controlled time syr
CMIRIG-B	P0006386	Interface box for sendir
TICRO 100	P0000604	IEEE1588/PTP time con
OTMC 100p portable	P0006508	PTP grandmaster clock
EMCON 200	P0006504	PTP transparent Ethern
TWX1	P0006385	Testing traveling wave
CPOL3	P0009398	Handheld polarity and
CMLIB REF6xx	P0006379	Low level interface ada
REF 54x cable connector	B0559600	Cable connector for AB
CMLIB 75x8	P0006380	Low level interface ada
MLIB A	P0006378	Low level signal connect
asergy cables ¹	B1734800	Adapter cables for Schr
IB1	P0006393	Low level isolation box
SIO 200	P0006498	Binary I/O terminal
RXB1	P0006392	Binary output extensio
EMTAC 1	P0006278	Rectifier to use AC trigg
ER1	P0006388	Scanning equipment for
CMS 356	P0001357	6-phase current and 4-
/BO3	P0006276	Three-phase voltage tra
Current clamp ²	P0008992	Active AC and DC curre
-Shunt 1 ²	B0620201	$1 \text{ m}\Omega$ precision shunt for
C-Shunt 10 ²	B0620301	$10\ m\Omega$ precision shunt
ARC 256x	P0006279	Arc flash initiator for te
SEM 1	P0006391	Scanning head for testi
SEM 2	P0006390	Scanning head for testi
SEM 3	P0006389	Magnetic scanning hea
CMLIB B	P0006377	For tests with reference

Various adapters for connecting test objects to CMC test sets Three-phase connection between CMC test set and the test object For wireless control of a CMC test set Heavy-duty transport case with wheels and extendable handle for safe & easy transport and shipping Trolley / Backpack for simple mechanical protection GPS controlled time synchronization unit Interface box for sending or receiving the IRIG-B protocol or PPS signals IEEE1588/PTP time converter PTP grandmaster clock PTP transparent Ethernet media converter Testing traveling wave protection relays and fault locators Handheld polarity and wiring checker Low level interface adapter for ABB Relion devices with sensor inputs Low level interface adapter for Siemens Siprotec Compact devices with sensor inputs Low level signal connector Adapter cables for Schneider Electric Easergy and Schweitzer Engineering Laboratories SEL-751 devices with sensor Low level isolation box Binary U/O terminal Binary output extension Rectifier to use AC trigger signals Scanning equipment for scanning the status indication LEDs of protection relays 6-phase current and 4-phase voltage amplifier Three-phase voltage transformer for up to 600 V (L-N) Active AC and DC current measureme	
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Arc flash initiator for testing arc flash protection systems	
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searning near or testing meters with optical paise output	
Scanning head for testing meters with rotating disc or optical pulse output	
Magnetic scanning head for testing meters with optical pulse output	

¹ Requires CMLIB A ² Requires ELT-1 hardware option