

Applicable Standards	SYSTEM BASE	
	EMCProPLUS-BASE*	Base Unit includes front panel keypad & display, 1 phase 16A AC/DC coupler/decoupler, output receptacle
IEC/EN 61000-4-X	EMCProPLUS-BASE/MZ*	Adds MZ-15/EC ESD Simulator to 15kV Air, 8kV contact to EMCProPLUS-BASE. Includes 150pF/330 ohm discharge network, TPA-1, TPA-2, TPC-2A discharge tips, battery charger, carrying case. (not software controlled)
CONTROL Software (Requires EMCProPLUS-BASE)		
	EMCProPlus-SW	Windows Application Software for PC operation; includes fiber optic RS-232 interface
CAPABILITIES (Requires EMCProPLUS-BASE)		
IEC/EN 61000-4-2	ESD-PROBE	ESD Simulator to 8.8kV Air, 4kV contact; includes TPA-2, TPC-3 and case
IEC 61000-4-4 Edition 2, EN 61000-4-4, & ANSI C62.41	EMCProPLUS-EFT	EFT Simulator to 4.4kV; capacitive coupling clamp CCL not included
IEC 61000-4-5, EN 61000-4-5, ANSI C62.41 Category B and UL 1449	EMCProPLUS-SURGE	1.2/50 Combination Wave Surge Simulator 12 ohm mode to 6.6kV, 2 ohm mode to 6.0kV
ANSI C62.41Cat. A, B, and UL 864	EMCProPLUS-RING**	100KHz Ring Wave Surge Simulator to 6.6kV
IEC/EN 61000-4-5, FCC Part 68, ITU K.17, K.20, K.21 and ETSI	EMCProPLUS-TELECOM**	10/700 Telecom Wave Surge Simulator to 6.6kV
IEC/EN 61000-4-5, ANSI C62.41 Category B and UL 1449; ANSI C62.41 Cat. A, B, and UL 864	EMCProPLUS-SURGE+RING	100KHz Ring and 1.2/50 Combination Wave Surge Simulator to 6.6kV
IEC/EN 61000-4-5, ANSI C62.41 Category B and UL 1449; FCC Part 68, ITU K. 17, K.20, K.21 and ETSI	EMCProPLUS-SURGE+TELECOM	10/700 Telecom and 1.2/50 Combination Wave Surge Simulator to 6.6kV
IEC/EN 61000-4-8	EMCProPLUS-HPOWER	Built-in Power Frequency Magnetic Field to 4A/M, coil not included: CM-HCOIL highly recommended
IEC/EN 61000-4-9	EMCProPLUS-HPULSE	Built-in Pulsed Magnetic Field to 1000A/M, coil not included: CM-HCOIL highly recommended, requires PRO-SURGE
IEC 61000-4-11 Edition 2, EN 61000-4-11	EMCProPLUSPRO-PQF	Dip and Interrupts to 100%,80%, 70%, 40%, 0% (short & open)

If any of the above capability is added after initial purchase, upgrade price is list plus 20%. All shipment costs of the EMCPro to and from KeyTek or an authorized service distributor for upgrade will be incurred by the customer.

COUPLER/DECOUPLERS

IEC 61000-4-4 Edition 2 IEC-61000-4-5	CM-3CD-16A*	Semi-automatic 16A, 3 Phase EFT & Surge AC/DC Mains Coupler/Decoupler: requires EMCProPLUS-EFT or EMCProPLUS capability, or any EFT simulator with a direct output (Wye connections only.)
IEC 61000-4-4 Edition 2 IEC-61000-4-5	CM-3CD-32A*	Semi-automatic 32A, 3 Phase EFT & Surge AC/DC Mains Coupler/Decoupler: requires EMCProPLUS-EFT or EMCProPLUS capability, or any EFT simulator with a direct output (Wye connections only.)
IEC 61000-4-5	CM-I/OCD	External 8-line Coupler/Decoupler for I/O Signal lines with Aux clamping protection: requires EMCProPLUS-SURGE
IEC 61000-4-5	CM-I/OCD-HS	High Speed option for testing data rates to >100kHz: requires CM-I/OCD
IEC 61000-4-5	CM-TELCD	External 2 or 4 line Coupler/Decoupler for Telecom lines to >100kHz; with Aux clamping protection: requires EMCProPLUS-SURGE or EMCProPLUS-TELECOM

OPTIONS

IEC 61000-4-4	CCL	Capacitive Coupling Clamp for coupling EFT onto Data I/O lines: requires EMCProPLUS-EFT
IEC 61000-4-4	CCLC	Capacitive Coupling Clamp Cover for operating the PRO-CCL with increased safety: requires CCL
IEC 61000-4-4	EFT-ATTN-1K	EFT Attenuator for oscilloscope monitoring of EFT pulses. 50 and 2K ohm input impedances.
IEC 61000-4-8 IEC 61000-4-9	CM-HCOIL	1 meter X 1 meter magnetic field coil (for EMCProPLUS-HP0WER or EMCProPLUS-HPULSE)
IEC 61000-4-8	CM-HMON	Measurement Probe for Power Frequency Magnetic Fields
IEC 61000-4-11	PQF-QUAL	Circuit according to IEC61000-4-11 for testing PQF generator inrush capability
IEC 61000-4-8	HPower-EXT	External generator for Power Frequency Magnetic Field to 30A/m continuous, 100A/m intermittent with optional CM-HCOIL; not software controlled, coil not included (CM-HCOIL)
	EMCProPLUS-RMK	Rack Mount Kit for 19" Rack
	EMCProPLUS-CASE	Transportation case for protective shipment of PRO-BASE and most accessories

*Add -BRI, -EUR, -USA or -AU/CH to indicate the mains connector style. See glossary for details.

** EMCProPLUS-RING and EMCProPLUS-TELECOM capabilities can not be combined in the same EMCProPLUS-BASE

ACCESSORIES FOR ESD-PROBE

	TPA-1	True-ESD Fastest-risetime air discharge tip for realistic simulations
IEC 61000-4-2	TPA-2	Air discharge IEC 1000-4-2 tip (one TPA-2 tip included with purchase of ESD PROBE above)
IEC 61000-4-2	TPC-3	Contact mode tip for IEC 1000-4-2 (one TPC-3 tip included with purchase of ESD PROBE above)
	TPF-1	Self-discharge tip, requires TPA-1
	50-MZ	Standoff spacer for air-discharge, requires TPA-1
	CTC-3	Coaxial ESD Target with cable (for verification to IEC 1000-4-2)
IEC 61000-4-2	VCP-1	Vertical Coupling Plane (VCP)
IEC 61000-4-2	HCP-1	Horizontal Coupling Plane (HCP)
	MZT-11	E-Field Simulator Tip Assembly
	MZT-12	H-Field Simulator Tip Assembly
	FCS-1	Field and Corona Sensor Group: includes monitor unit HEC-1, H-Field sensor HFS-1, E-field sensor EFS-1 and Pre-Discharge corona sensor CCS-1
	DCA-2	DC Output Calibration Attenuator
	MCA-1	Hard Carrying Case for ESD simulator with MZT-11 and MZT-12