

Test Type	Basic Test Standard	Maximum stress level required by EN 50082-1	Maximum stress level required by EN 50082-2
ESD	IEC 1000-4-2	4kV Contact, 8kV Air	4kV Contact, 8kV Air
EFT	IEC 1000-4-4	1kV	2kV
Surge	IEC 1000-4-5	2kV	2kV
Power Frequency Magnetic Field	IEC 1000-4-8	3A/m	30A/m
Pulse Magnetic Field	IEC 1000-4-9	200A/m*	1000A/m*
Dips & Interrupts	IEC 1000-4-11	100%, 70%, 40%, 0%	100%, 70%, 40%, 0%

## GENERAL SPECIFICATIONS

Test Type	Model	Standard	Feature	Range	Resolution	Accuracy	Compliant
ESD	CM-ESD	IEC 1000-4-2	Peak Air Discharge	500V - 8.8kV	1 Volt	+/-5%	
			Peak Contact Discharge Repetition Rates	500V - 4.4kV Single Shot, 1 pulse/sec and 20 pulses/sec	1 Volt	+/-5%	
EFT	CM-EFT	IEC 1000-4-4	Waveform				Yes
			Peak Voltage Frequency	250V - 2.5kV 1-100kHz	1 Volt	+/-10% +/-10%	
Surge	CM-SURGE	IEC 1000-4-5	Waveform				Yes
			Voltage Waveform	1.2/50µs			
			Peak Voltage Current Waveform	250V - 2.5kV 8/20µs	1 Volt	+/-10%	
			Peak Current Waveform Repetition Rate	125A - 1.25kA  To 6 per minute at 500V	1Amp	+/-10%	Yes
Power Frequency Magnetic Field	CM-HPWR	IEC 1000-4-8	Field Frequency Magnetic Field	50/60Hz 0.5A/m - 4A/m		+/-10%	
Pulse Magnetic Field	CM-HPULSE	IEC 1000-4-9	Field Pulse Amplitude Field Test Parameters	8/20µs 50A/m - 800A/m		+/-10%	Yes
Dips & Interrupts	CM-PQF	IEC 1000-4-11	Dips Interrupts Transition Time Inrush	70%, 40% 0% (Short or Open) 1µs - 5µs >250Amps @ 120V, >500Amps @ 240V			
			AC Mains Monitor Test Parameters	0 - 265VAC		+/-2%	Yes

### Power Requirements

Input Voltage 90 - 250VAC  
Input Current 1A at 120V;  
0.5A at 240V

### Coupler/Decoupler Ratings

AC Voltage Ratings 50 - 250VAC  
AC Current Ratings 10A continuous,  
>16A start-up  
DC Voltage Ratings 0 - 100VDC  
DC Current Ratings 10Amps

### Environmental Specifications

Operating Temperature 15°C to 35°C  
Operating Humidity 10% to 75%  
non-condensing

### Physical

Height 17.8cm (7.0in)  
Width 47cm (18.5in)  
Depth 56cm (22in)  
Weight 29kg (64 lbs)

\* Not mandatory

## AUTHORIZED REPRESENTATIVE



For detailed technical information about CEMASTER models and options, see the appropriate data sheets. For additional data sheets, call or fax the numbers listed below, attn.: Sales Department.



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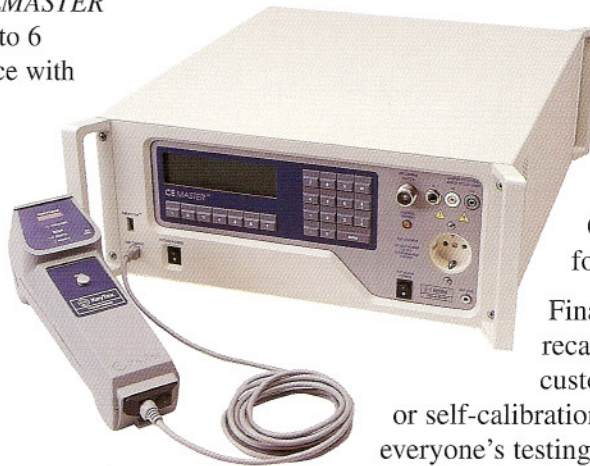
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# THE LOWEST COST MULTI-STANDARD COMPLIANCE-LEVEL CE IMMUNITY TESTER ON THE MARKET.

The CEMASTER is an ideal test system for those in need of the CE Mark. The CEMASTER performs compliance-level tests to 6 immunity standards in accordance with European Norm requirements:

- IEC 1000-4-2 ESD
- IEC 1000-4-4 EFT
- IEC 1000-4-5 Surge
- IEC 1000-4-8 Power Frequency Magnetic Field
- IEC 1000-4-9 Pulse Magnetic Field
- IEC 1000-4-11 Dips and Interrupts



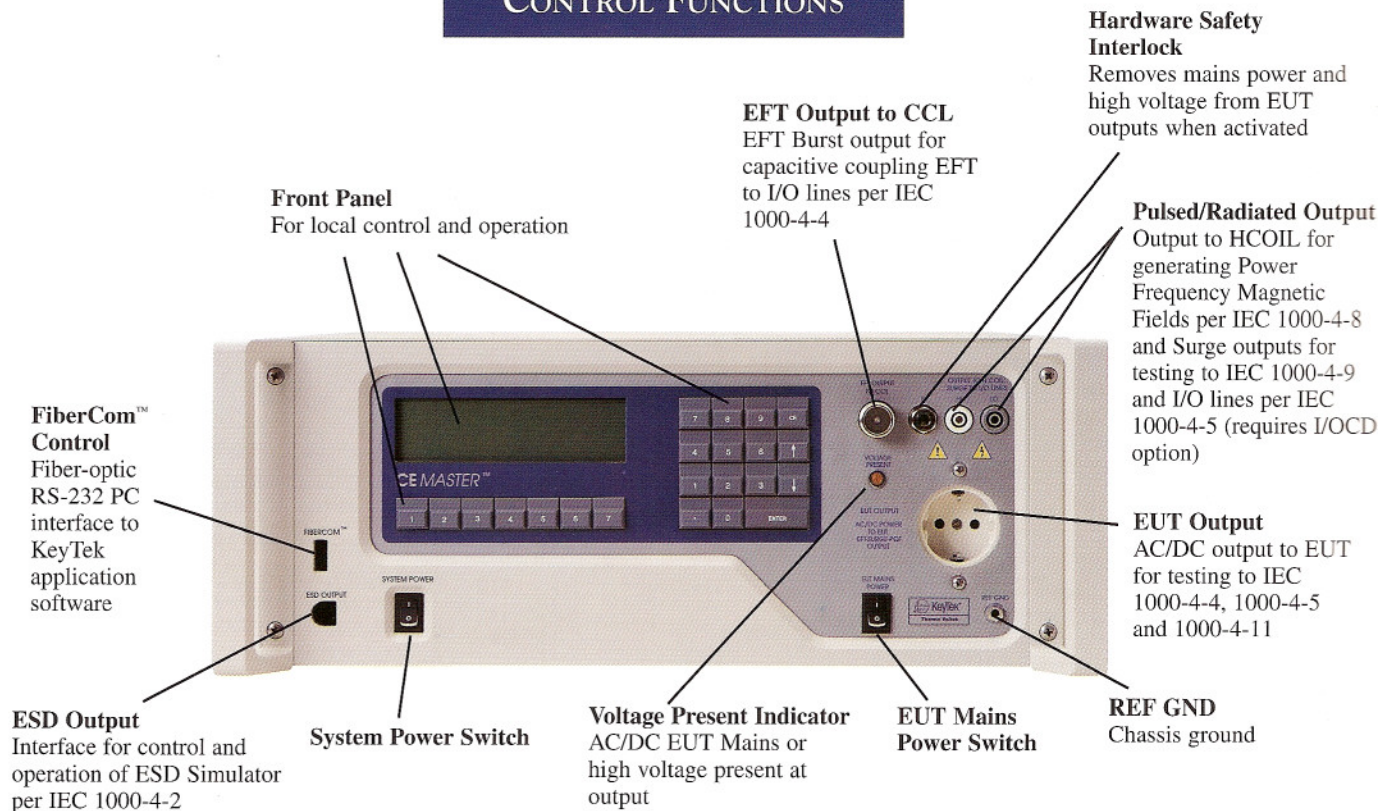
The CEMASTER is the only combination EMC immunity tester that includes built-in dips and interrupts, internal IEC 1000-4-8 capability, computer-controlled ESD tester and simplified, predefined test routines. The CEMASTER is also the only EMC immunity tester that customers configure to meet their own testing needs.

By offering custom configurations, growing companies are now able to afford in-house compliance testing and larger manufacturers may purchase multiple units for various departments. The CEMASTER is a perfect

solution for test houses seeking to complement their high-end test systems and offer their customers on-site testing capabilities as an additional service. As a user-friendly, portable immunity tester, the CEMASTER is the ideal solution for rental companies.

Finally, when the CEMASTER needs recalibration, KeyTek offers their customers the choice of factory, on-site or self-calibration programs to accommodate everyone's testing schedule and budget.

## CONTROL FUNCTIONS



Fully Configured CEMASTER™