## **OUTPUT TIP OUTPUT TIP** RECEPTACLE ATTACH GROUND INDICATOR **ACTUAL OUTPUT VOLTAGE INDICATOR BATTERY CHECK AND PULSE** REPETITION RATE ìmm SELECTION OUTPUT **BATTERY OK VOLTAGE INDICATORS** SELECTION GROUND OUTPUT CABLE POLARITY CONNECTION SELECTION LOCK-ON\* MINIZAP" (TRIPOD MODE) \*CONTACT MODE CURRENT INJECTION NORMAL MODE **PUSH-BUTTON** AIR DISCHARGE **PUSH-BUTTON** INTERLOCKED TRIPOD MOUNT 😓 КеуТек (ON REVERSE SIDE) WRIST STRAP \*MZ-15 ONLY **BATTERY CHARGING AND** POWER SUPPLY CONNECTION

## **SPECIFICATONS**

## **System Description**

All MiniZap models include the hand held MiniZap (tripod mountable), ball and point tips, TPC-2 IEC OMNI-TIP<sup>TM\*</sup> proximity tip adapter, a safe IEC ground cable, AC adapter/battery charger, set of four built-in long life rechargeable batteries, and operator manual, all fitted into a soft carry case.

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Feature	MZ-10	<u>MZ-15</u>
Voltage Range	$\pm 0.5$ to $\pm 10$ kV	$\pm 0.5$ to $\pm 15$ kV
Air Discharge	TRUE-ESD $^{\text{TM}}$ ( $<\!0.7~\text{ns}$ nominal rise time up to $4\text{kV})$	
Current Injec. (See notes 1,3)	$FR/CI^{^{TM}}$ opt	FR/CI <sup>TM</sup> std
	0.7 to 1.0 ns rise time independent of charge voltage; 3.75A/kV peak current, i.e. 30A @8kV	
RC Networks (See note 2)	150 pF/330 Ohm std per revised IEC Pub. 801.2	
Lock On	opt 15	std (w/safety interlock)
Rep. Rate	Both models offer single shot as well as l/sec and 20/sec repetitive operation.	
Notes: (1)	Fast Rise Current Injection, FR/CI™ is relay actuated per the revised IEC Pub. 801.2. (Two million shot warranty on replaceable relay module in the MZ-15.)	
(2)	Consult factory for other RC network requirements.	
(3)	The TPC-2 OMNI-TIP™ is specifically to meet the reduced requirements of the revised IEC 801.2 standard (namely 0.7–1.0ns rise time, and 3.75A/kV peak current).	
	The TPC-1 provide (<350 ps) risetime er peak (~ 5 to 8 de	es a much faster e wave, with high-

Figure 1

\*U.S. Patent No. 4,721,899.

Typical MiniZap ESD S

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