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 Asheville, N.C.
 1-TOOL-UP-DUKE (866-567-3853)

USTI-ECO

Universal Shock Tube Initiator with Electric Cap Output

The USTI-ECO was designed to work with *all robots and remote firing sets* in use today by the U.S. military.

Powered by a single 9-Volt battery, the USTI-ECO delivers over 10 Joules of energy at 370 Volts, enough to fire 80 series caps, an electric breach, or ignite shock tube with the included adapter.

The firing sequence is triggered by an input pulse longer than 10 ms ranging from 17 to 400 volts. The firing circuit then automatically charges and delivers a high energy pulse to the output terminals. The shock tube adapter has 3 spare initiator blocks and is a simple field maintenance item. The typical life of a per initiator block is over 2,000 shots for a total of over 8,000 shots for all four blocks contained in the shock tube tip.



USTI-ECO Specifications:

Weight:	0.35 lbs.
Size:	1.2" x 5.5 "x 2.5"
Power Output:	10+joules @ 370 VDC
Fires 80 caps through 5* ohm lead line or fires one blasting cap through 165 ohm load total	Based on the accepted U.S. standard detonator energy requirement to be delivered to a blasting cap of the 20 mJ/ohm for 5 milliseconds. *250' of 20 AWG duplex copper wire= 5 ohms
Fires commercial and military shock tube	Fires .125 and .150 diameter shock tube. Mini shock tube interface will be available 3RD quarter 2010.
Color	Desert Tan
Environmental	Water Resistant, HERO, HESD, and Electromagnetic compatibility per MIL-STD-464A is currently certified for USN use and has WISR B approval.
Works with electric firing pin disruptor cannons	PAN® disruptor electric breach compatibility
Power:	One 9-volt Alkaline battery supplies over 250 shots.
Operating Temperature:	-20°C to +85°C
Humidity:	95% non-condensing