

HT73 Detonator (HMX)

Titan Division | Energetics



HT73 is a wired detonator designed for use in downhole tools, and it contains HMX to ensure high performance at high temperatures. HT73 is used by certified professionals to electrically initiate explosive devices using commercial power supplies.

Part Number	Description
DETO-HT7301-HK	HT73 Detonator (HMX)
DETO-BLOCK-T	Side Initiating Block

Specifications

Temperature (°F)[°C]	400 [204] for 1 Hour
Nominal Base Charge	380 mg, HMX
Detonator Shell	Aluminum
All Fire Current	800 mA
No Fire Current	200 mA
Resistance	50Ω-60Ω
ESD Pin-to-Pin	25kVDC / 500 pF x 5kΩ
ESD Pin-to-Case	25kVDC / 500 pF x 5kΩ
Fluid Disabled Rating*	<30 minutes under 14 psi
Resistor	2 x 27Ω @1/2W, in a series with bridge wire
Overall Length (in)[mm]	1.838 [46.7]
Max Diameter (in)[mm]	0.279 [7.1]
Shell Material	Aluminum
Plug	Rubber/Plastic
Leg Wire	Stranded, full-length tinned Teflon insulated #22 AWG copper wire, 6" long
Wire Pull Strength**	7 lbs

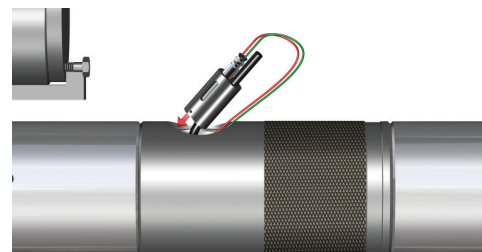
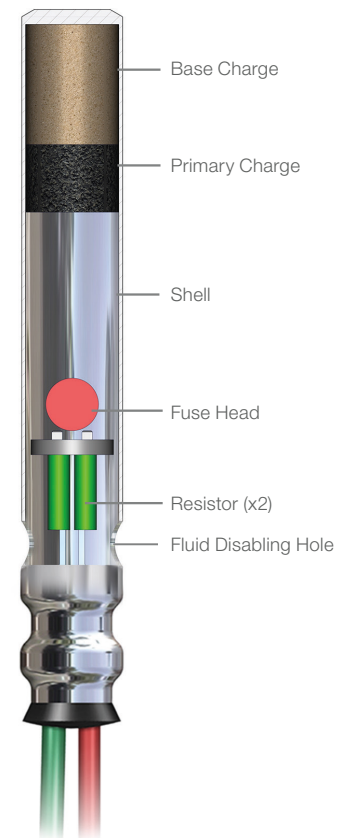
* Remove the tape before use for fluid disabled rating

** Never pull lead wires from the shell. Hold wires firmly while stripping.

Shipping Information

Proper Shipping Name	Detonators, Electric	
UN #	UN 0456	
Hazard Class	1.4S	
EX Number	EX2018062010	EX2021042166
Quantity per box	200	50
Package Size (in)[mm]	17.1 x 15.5 x 11.6 [435 x 395 x 295]	9.4 x 5.0 x 17.1 [240 x 126 x 434]
Gross Weight (lb)[kg]	28.6 [13]	10.8 [3.3]
Net Weight (lb)[kg]	4.0 [1.8]	1 [0.3]
Net Explosive Weight (lb)[kg]	0.2 [0.1]	0.05 [0.025]

Warning HMX explosives can undergo a phase transition at temperature exposure above 300°F [150°C]. Refer to RP67 for guidelines on special treatment for HMX explosives.



Arming Instructions: The HT73 has a directional output. The main load end of detonator must face the direction of the explosive train toward the shaped charges.