

Delta Scientific's HD300 Barrier Capable Of 1,000,000 Continuous Operations

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Delta Scientific, the leading manufacturer of counter-terrorist vehicle control systems used in the United States and internationally, recently announced that its HD300 barrier which will stop a 15,000 pound (66.7 Km) vehicle traveling 50 mph (80 kpm) has just met the criteria of the United States Department of State for continuous operations of 1 million cycles. The HD300 was tested from September 26, 2014 until November 20, 2015 outside, exposed to full sunlight and the effects of climatic conditions.

Delta HD300 With Multiple Hit Capability

"This is another example of why vehicle access control buyers need to check for certified equipment," emphasises Greg Hamm, Delta Scientific Vice President, Sales and Marketing. "Security professionals that must protect their perimeters from terrorists and errant drivers must have the confidence that their barriers will perform their functions each and every time."

According to the report by the independent test facility, "The barrier system was found to be capable of 1,000,000 continuous operations without failure of any component necessary for continued barrier operation outside of scheduled maintenance."

Upon impact, the barrier remains in its foundation and the opening stays blocked, providing a multiple hit capability. In its M50 crash test, the HD300 completely disabled the test vehicle, causing severe damage to the occupant department and power train. The maximum penetration recorded was an outstanding -1.8 m on the

passenger's side. The P1 penetration rating was given because the penetration beyond the protected side of the barrier was less than 1.0 m at the lower leading edge of the test vehicle's cargo bed.

Shallow Foundation & Aesthetic Design

With its 24-inch (61 cm) shallow foundation and aesthetic design, the HD300 obviates the concerns of interference with buried pipes, power lines and fiber optic communication lines. The shallow foundation also reduces installation complexity, time, materials and corresponding costs. The HD300 is perfect for high water table locations and areas with corrosive soils. It provides low maintenance as all components are accessible from the sides or top of the barrier.

Counter-Balanced Technology For Quick Response

For increased security, the HD300 leverages Delta's proprietary counter-balanced technology to provide a 1.5 second emergency fast operation (EFO), responding to attacks very quickly. The electric actuator provides IP67 protection, meaning that the unit is totally protected against dust as well as the effect of immersion between 15 cm and 1 m.