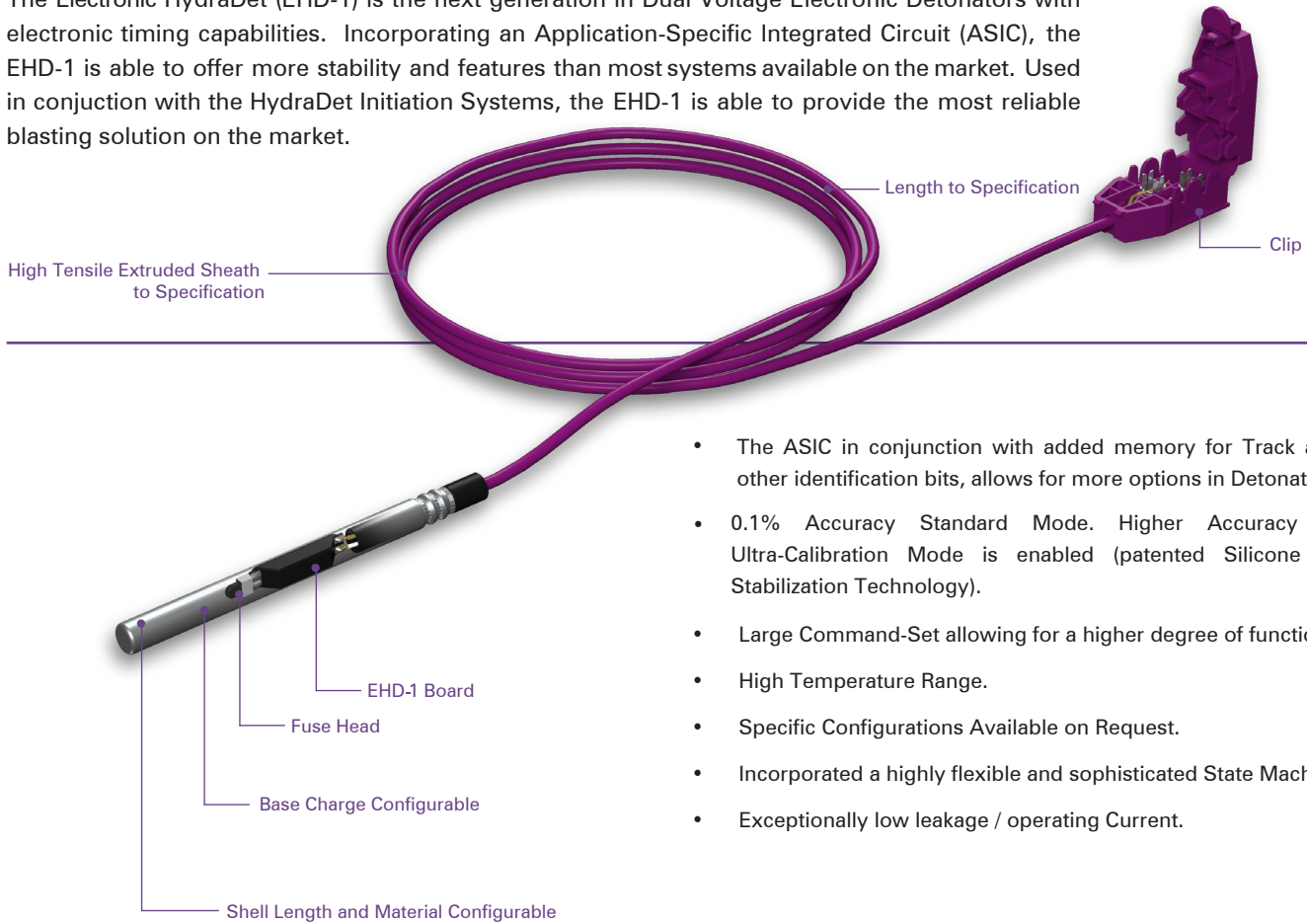


DESCRIPTION

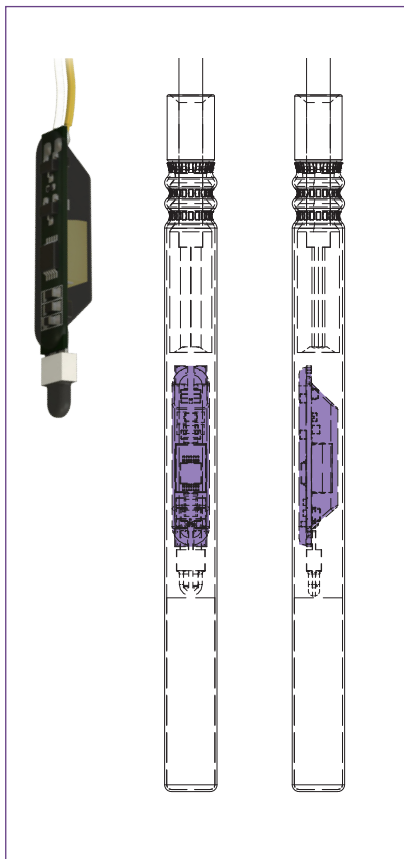
The Electronic HydraDet (EHD-1) is the next generation in Dual Voltage Electronic Detonators with electronic timing capabilities. Incorporating an Application-Specific Integrated Circuit (ASIC), the EHD-1 is able to offer more stability and features than most systems available on the market. Used in conjunction with the HydraDet Initiation Systems, the EHD-1 is able to provide the most reliable blasting solution on the market.



BENEFITS

- The ASIC in conjunction with added memory for Track and Trace and other identification bits, allows for more options in Detonator Serialization.
- 0.1% Accuracy Standard Mode. Higher Accuracy achieved if Ultra-Calibration Mode is enabled (patented Silicone Temperature Stabilization Technology).
- Large Command-Set allowing for a higher degree of functionality.
- High Temperature Range.
- Specific Configurations Available on Request.
- Incorporated a highly flexible and sophisticated State Machine.
- Exceptionally low leakage / operating Current.

TECHNICAL SPECIFICATIONS



SPECIFICATION	PROPERTIES
Timing	0 - 30s
Long Range Communication	4 - 8km
Quiescent Current per Detonator	<25uA
Silicon Technology	ASIC
Architecture	Dual Voltage
Auto-detect	Yes <i>(no logging required)</i>
Sensitivity to communication misshaping	Low
Ability to deactivate specific detonators on the bus/ blasting circuit	Yes
Error Checking	Full cyclic redundancy check
Configurable	On factory request
Voltage	Programming 8.4V Firing 13.4V
Full traceability to EU standard	Yes
Can store delay time	Yes
Can store data	Yes
Maximum sleep time	Indefinite
Temperature stability	-40 to 85°C
Accuracy	0.1% over entire range <i>(can be improved 10x with additional calibration command)</i>