

Fireproof Crashworthy Memory Module Model TR - H
(Compliance with FRA 49 CFR Part 229 – US DOT Criteria for train)



Features:

- A crash-protected memory module specially designed for data protection of train recording systems in extremely harsh conditions such as fire, immersion or hard crash
- Air connector M12-5PIN
- Quality standard as per US Federal Regulations Title 49: Criteria for Certification of Crashworthy Event Recorder Memory Module (FRA 49 CFR Part 229 Appendix D) as well as standards: IEEE 1482.1-2013 and IEC 62625.1-2013
- Withstanding 120min 1100°C high intensity fire or 60min 1100°C fire followed by 260°C fire for 10 hours far exceeding the fireproof requirement of EUROCAE ED-155 (an international standard for lightweight flight recording system)
- Functional at 100m underwater for 240 hours
- Highly suitable for data storage of trains, subways or anywhere you have a high demand for safety of your data information
- Size: 170 x 130 x 130 mm (6.69 x 5.12 x 5.12 in)
- NWT: 6.20 kg (13.67 lb)

Technical Specifications

Interface	□ USB2.0 M12-5PIN air connector
Power Input	5V±5% <1W
Writing Circulation	PE: 3000 times
Storage Capacity	eMMC (MLC): □ 32G □ 64G □ 128G □ 256G
Fire Resistance	1100°C / 60min followed by 260°C / 600min
Fluid Immersion	48 hr
Deep Water Immersion	240 hr 100m underwater
Salt Water Immersion	48rs 15m salt water
Static Crush	168kN 5min (3 axes)
Impact Shock	55 G (all axes) for 100ms
Penetration Resistance	0.4cm ² pin 23kg 1.5m
Alternative Electric Field (AEF)	64KA 10MA/S 1m
Antiknock Quality	0.5ms 1008kPa (1kg TNT/ 1m)
Temperature Range	-40 ~ 75°C (operation) -40 ~ 85°C (storage)
Standard	FRA 49 CFR Part 229 Appendix D (US DOT Criteria) IEEE 1482.1 - 2013