

CMBRE



Common Munitions Bit / Reprogramming Equipment

CMBRE is a common piece of Support Equipment used to interface with weapon systems to initiate Built-In-Test (BIT), report BIT results, and upload / download flight software. CMBRE represents the first munitions support equipment developed as a “common” system for multiple munition platforms.

CMBRE Applications

- Pre-flight check
- Periodic maintenance checks
- Loading munitions Operational Flight Program (OFF) data
- Loading munitions mission planning data
- Loading munitions GPS data (crypto keys)
- Declassification of munitions memory

Supported Systems

JDAM, JSOW, WCMD, MALD, JASSM, PAVEWAY, SLAM-ER, DMLGB, AARGM, AMRAAM, AIM-9X, SDB, BRU-61, FLM and others.



Test Adapter Unit (Case #1)

Size - 22" (L) x 18" (W) x 13" (H)
 560mm (L) x 460mm (W) x 330mm (H)
 Weight - 42lbs (19kg)

Controller (Case #2)

Size - 18" (L) x 17" (W) x 15" (H)
 460mm (L) x 430mm (W) x 380mm (H)
 Weight - 46lbs (21kg)

Accessories (Case #3)

Size - 18" (L) x 17" (W) x 15" (H)
 460mm (L) x 430mm (W) x 380mm (H)
 Weight - 39lbs (18kg)

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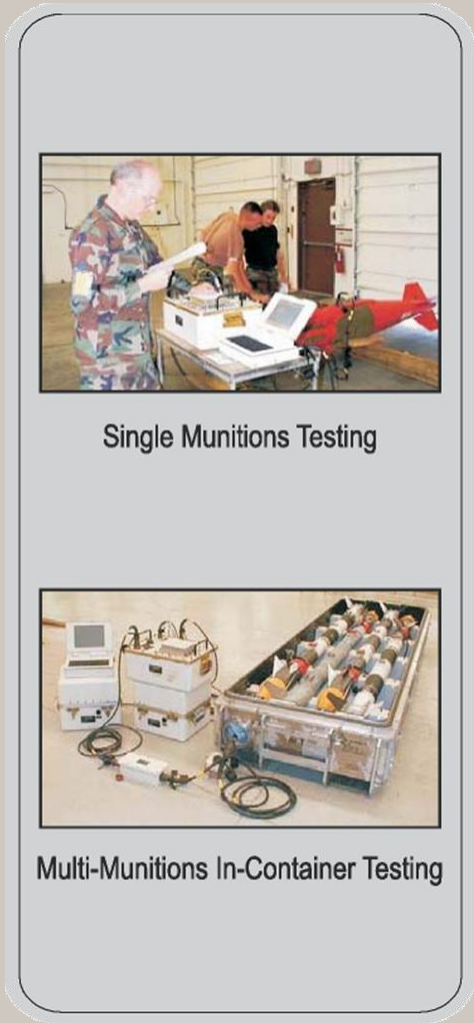
AN/GYQ-79A CMBRE Product Improvements

- Miniature munitions/store interface
- IEEE 802.3 10/100BaseT/Tx Ethernet
- Enhanced bit rate 1553
- Improved data throughput
- New keyboard and pointing device
- Color display
- Two USB ports
- Windows XP Embedded with dual boot capabilities

CMBRE Environmental Design

- High / Low Temperature (per MIL -T-28800E, -20° C to 55° C)
- Humidity (per MIL-T-28800E, 95% RH - Operating)
- Solar Radiation (MIL-STD-810)
- Vibration and Transit Drop & Loose Cargo (per MIL-T-28800E)
- Shock (MIL-S-901 Navy High Impact Shock)
- Explosive Atmosphere (per MIL -STD-81 0)
- Sand, Dust, and Salt Atmosphere (per MIL-T-28800E)
- Watertight and Splashproof (per MIL-T-28800E)
- Acoustical Noise (per MIL-T-28800E)
- EMI / EMC (MIL-STD-461D Navy Surface Ship Above Deck)
- Altitude (per MIL-T-28800E)
- HERO Certified

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Single Munitions Testing

Multi-Munitions In-Container Testing

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