



communications

Communication Systems-East

KL Key Loader

The Key Loader is used to store and distribute key material to end COMSEC equipment.

PRODUCT DESCRIPTION

L-3 Communication's Key Loader is a hand-held portable electronic transfer device used to store and distribute keys to secure communications end equipment. The Key Loader is battery operated and can store and transfer up to 16 keys. Variable key lengths are supported. Easy to use panel supports self test, transfer and zeroization of individual keys and zeroization of all keys. The Key Loader features two key fill ports which enables transfer from one key loader to another.

The Key Loader's rugged design is able to withstand handling and operation in the tactical environment. The enclosure is a gasketed die-cast aluminum chassis which protects the unit from environmental hazards including rain and shock/drop.

In the Improved Mobile Subscriber Equipment (IMSE) system, the Key Loader accepts keys from the Dismounted Network Key Operator (DNKG), and stores and distributes them to the Secure Digital Voice Terminal (SDVT), Trunk Encryption Device (TED), Secure Voice Orderwire (SVOW), and Mobile COMSEC System (MCS).



APPLICATIONS

- Tactical Communications Networks
- Key Management and Distribution Systems

KEY FEATURES

- 16 Key Storage
- Supports variable key lengths
- Ruggedized "drop-proof" chassis
- Compact, lightweight package

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SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Size: 5.35"L x 3.19"W x 1.57"H
(13.59cmL x 8.10cmW x 3.99cmH)

Weight: 1.0 lb (0.4 kg)

Chassis: Aluminum Die Cast

PERFORMANCE CHARACTERISTICS

Electrical

Fill Interface: RS-232C

Battery: 9 volt

Key Retention: > 170 days typical

Environmental

Temperature: -20°C to +50°C operating
-40°C to +71°C storage/transit

Humidity: 95% up to +40°C

Altitude: 12,192 meters

Shock/Drop: 6 drops of 48 in. (122cm)

Rain: MIL-STD-810E, Method 506.3,
Proc. II

Vibration: 2.0 g²/Hz at 2-10 Hz, 0.7 g²/Hz
at 11-200 Hz

Reliability

MTBF: >25,000 hours@25°C

For Additional Information Contact:

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