



Pulse/Scan Generator (PSG)

A two channel Pulse and Scan generator that provides radar threat modulation outputs to external RF signal generator inputs.



Engineered for life

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The Pulse/Scan Generator (PSG) is a two channel Pulse and Scan generator that provides radar threat modulation outputs to external RF signal generator inputs. The PSG permits complex threat simulation that provides the user a low-cost alternative to expensive threat generator systems.

Emitter Library Maintenance Software (ELMS) provides for user-friendly emitter creation and emitter library maintenance (on either the Emitter Library Module or PC).

The PSG can be used for testing Electronic Combat (EC) systems including: Electronic Countermeasures Systems, Radar Warning Receiver (RWR) Systems and Electronic Warfare Support Measures (ESM) systems.

Features

- User Selectable Pre-Programmed Emitter Parameters or Front Panel Operation
- Threat library stored on removable media or PC
- Scenario Generation allows for either timed automatic or manual emitter and/or mode sequencing
- Simple front panel operation
- Channels can be either independent or synchronized
- Extensive Built-In-Test for maintenance Fault Detection (FD) and Fault Isolation (FI)
- Front and back panel connections
- Options: IEEE-488 Interface
Removable Memory Module

System Specifications

- Pulse Repetition Interval Types: Simple, Jitter, Stagger, and Guidance Triplets (Pulse Groups)
- Pulse Output: TTL 50 Ohm, 0.1 to 65635 uS
- Scan Types: Circular, Sector, Raster, Conical, Switch-on-Scan, Electronic and user-defined
- Programming: Emitter Library Module Emitter parameters via PC (software supplied) or front panel
- Power: 120 VAC 60 Hz
- Emitter Memory: PC or Optional Memory Module
- Operating Temperature Range: 0° C to +55° C
- Physical: 19" rack mount, 3U, 16 lbs. (7.3 Kg)



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