

# CMDs Tester™

## Countermeasures Dispensing System Firing Pulse Tester

The CMDs Firing Pulse Interval Test Set by ITCN is a scalable suite of test components designed to analyze firing pulse timing from a Counter Measures Dispensing System.

The CMDs Test Set provides the required components to measure timing intervals between firing pulses sent to Countermeasures Dispensers.

- CMDs Pulse Tester
- CMDs Pulse Collector
- CMDs Graphical User Interface (GUI)



CMDs System Components



CMDs Pulse Tester CM-T-47



CMDs Pulse Collector CM-C-16

### CMDs Pulse Tester

The CMDs Pulse Tester provides the interface to the firing pulses by replacing the dispenser magazines on the aircraft under test.

- It acts as a dummy load for the system sequencer to simulate dispenser squibs
- It senses the firing pulse current using a preset threshold value and logs the occurrence to the Collector

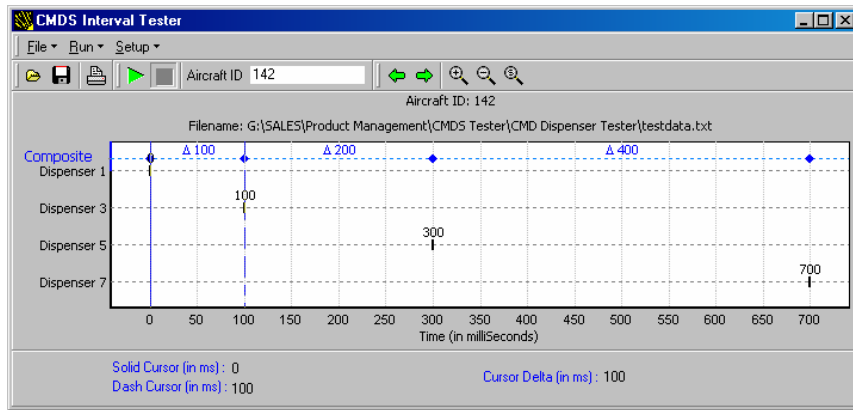
Tester specifications	
Pulse Width	150 n sec min. (factory adj.)
Pulse Repetition Rate	4.9 kps
Pulse Detection Threshold	Factory preset to 3A (Factory adj. from 1A - 5A)
System Compatibility	AN/ALE-40, AN/ALE-47

### CMDs Pulse Collector

The CMDs Pulse Collector unit provides three functions:

- A central collection point for pulses captured by up to 16 Pulse Testers
- Timestamps pulses with 1 msec resolution
- A connection to the User Interface running on the host PC

Collector specifications	
Pulse Logging	1024 pulses per test file
Baud Rate	9600
Test Support	16 CMDs Pulse Testers
Trigger	5V TTL compatible output, open collector, active low signal



CMDS Interval Tester GUI CM-ITS



Host PC

The CMDS Interval Tester Graphical User Interface software (GUI) provides an interface for the user to control the test runs and analyze collected data.

## Specifications

PC Requirements for CM-ITS-GUI	
Memory	128 Mbytes RAM
Hard Disk	4 Mbytes Program Storage, 10 Mbytes minimal Trace Storage
Media Support	CD-ROM / CD-R/ CD-R/W drive
Operating System	Windows 2000/ XP (Requirements may vary with operating system)
Communications	RS-232 COM port

Power Requirements CM-C-16 / CM-T-47		Environmental Requirements: CM-C-16	
Input Voltage	85 -265 Volts AC	Operation Temperature	50° to 95° F / 10° to 35° C
Frequency Range	47 - 440 Hz	Storage Temperature	40° to 104° F / 4° To 40° C
Fuse	2 ea., 2 Amps / 250 V Slow-Blow, 5x20mm	Relative Humidity (non-condensing)	10% to 85%
Inrush Current (typ)	30A @ 115VAC Input, 60A @ 230VAC Input		

Note: Each Tester unit receives power from the Collector via an interconnection cable/data link connector. All specifications are subject to change without notice.

## Ordering Information:

Model	Description
CM-T-47	Pulse Tester Unit
CM-C-16	Pulse Collector
CM-ITS	CMDS GUI
Host PC	Host PC

Contact ITCN's sales staff for detailed information about our test equipment and services at 800-439-4039, or visit our website at [www.itcninc.com](http://www.itcninc.com).

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