

CTS-700 SELCAL RAMP TESTER



AvtechTye's CTS-700 ramp test set tests ICAO standard SELCAL decoding systems, HF and VHF radio systems, audio systems, and ATSCALL or DTMF selective calling decoders that reside on the aircraft. Battery-powered and totally independent of ground facilities, the CTS-700 generates the RF and tone signals needed to activate the system under test.



ARINC 714 SELCAL RAMP TESTER

The test signal transmits directly to the aircraft radio system by incorporating a crystal-controlled RF generator for VHF and HF frequencies, and provides a thorough system evaluation for correct identification of faults. Eliminating the need for ground radio facilities dramatically speeds the testing and troubleshooting of complex problems.

Housed in a gray fiberglass case, the CTS-700 is available as a system that includes the charger, antenna, and operator's manual. (An audio output is included for use with bench test facilities.)

- Tests VHF and HF radio systems
- Generates 16 SELCAL or DTMF tones
- Generates 300 to 5000 Hz audio tones
- VHF and HF crystal controlled RF generators
- Operates 20 hours on internal rechargeable battery
- UL/CSA, VDE, TUV approved rechargeable units
- High contrast liquid crystal display
- Adjustable audio outputs of tones for bench testing
- Precision crystal controlled tone frequencies and timing
- -20 to +50 degrees C operating temperature
- Weather resistant switches and panel
- Auto-off timer turns unit off if not used for 15 minutes

Since 1969 AvtechTye has been a leader in the design, development, and manufacture of electronic systems for the aerospace industry, with a focus in three product groups: Audio, Avionics and Structures.

AvtechTye products are flying onboard 42 aircraft types within the air transport, regional commuter, and business jet sectors, serving 450 customers in 49 countries of the world.

Our versatility in supporting aerospace electronics requirements ranges from the custom design and manufacturing of complex power supplies to complete Digital Audio Systems.

AvtechTye is certified to ISO9001, AS9100 and the FAA's ACSEP. Product Support includes in-house repair services (FAA approved Repair Station #IG6R621N), loaner/exchange programs, and both in-house and offsite airline training.

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CTS-700 SPECIFICATIONS

Part Numbers:	P/N 1000005-001 CTS-700 system with antenna and 120V/60Hz charging unit	
	P/N 1000005-002 CTS-700 system with antenna and 220V/50 Hz charging unit	
Size: deep	8.7" wide X 9.2" high x 6"	
Weight:	7 pounds	
Case:	High strength fiberglass, grey color	
Operating Temperature	-20 to 50 degrees C	
Operating Altitude	Up to 50,000 feet	
SELCAL Tones (Hz)	A-312.6 B-346.7 C-384.6 D-426.6 E-473.2 F-524.8 G-582.1 H-645.7	J-716.1 K-794.3 L-881.0 M-977.2 P-1083.9 Q-1202.3 R-1333.5 S-1479.1

ATTSCALL Numbers Generated (DTMF Hz)	1-697/1209 2-697/1336 3-697/1477 4-770/1209 5-770/1336 6-770/1477 7-852/1209 8-852/1336	9-852/1477 0-941/1336 *-941/1209 #-941/1477 A-697/1633 B-770/1633 C-852/1633 D-941/1633
ATTSCALL Tone Duty Cycle	50 mS on, 50 mS off per digit	
Tone Mode Frequencies (Hz)	300, 500, 1000, 3000, 5000	
VHF Frequency	123.20 MHz standard	
HF Frequency	10.045 MHz standard	
RF Output Power	100 milliwatts nominal when matched into 50 ohms, RF output impedance at antenna connection is matched for operation into 36" antenna	
Audio Output Level	3.2V rms max, adjustable by panel knob	
Internal Battery	12 V 1.5 amp-hour sealed rechargeable	
Battery Life	Approximately 20 operating hours between charges	
Charging Unit	12 V to 15 V AC or DC, nominal 300 milliamps	



AvtechTyee's CTS-700 Ramp Tester tests Avtech's ARINC 714 standard SELCAL decoders without any additional equipment directly on the aircraft without the need for ground radio facilities



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