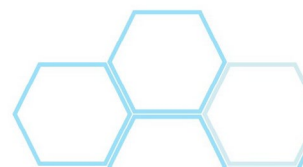
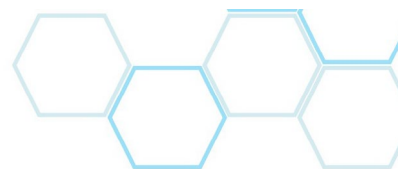


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Interference Signal Generator T3700A



Overview

T3700A is an interference signal generator to be used in the satellite navigation test field. It is developed based on the VSG platform and has rich interference signal generation functions, broad frequency coverage and wide power regulation range. It can be used to generate various kinds of suppressing and deception interference, such as CW signals, frequency sweep signals, analog modulation signals, digital modulation signals, broadband noise and other kinds of customized interference. It is mainly applied in the anti-interference performance test of the GNSS and other fields.

Features

- Frequency Range: 10MHz ~ 3GHz, 0.01Hz step
- Amplitude Range: -120dBm ~ +15dBm, 0.01dB step
- Frequency Stability: $< \pm 0.02 \text{ppm/yr}$
- Interference Signal Bandwidth : 100MHz
- Spectral Purity: CW $< -30 \text{dB}$ @ (1 ~ 2GHz) , stray $< -50 \text{dB}$ @ (1 ~ 2GHz)
- Suppressing & Deception Interference in band
- Interference out of band : Strong signal interference between adjacent frequency bands
- Remote Control

Performance		
Frequency Output	Frequency Range Resolution Stabilization	10MHz ~ 3GHz (optional:250kHz ~ 6GHz/1GHz ~ 3GHz) 0.01Hz $< \pm 0.02 \text{ppm/yr}$ $< \pm 0.01 \text{ppm} @ 0 \sim 40^\circ \text{C}$
Power Output	Power Range Resolution Power Accuracy	-110dBm ~ +15dBm 0.02dB $< \pm 1 \text{dB}$
Signal Quality	Harmonic Anharmonic Subharmonic Phase Noise	$< -30 \text{dBc}$ @ 500MHz ~ 3GHz $< -50 \text{dBc}$ @ 500MHz ~ 3GHz $< -40 \text{dBc}$ @ 500MHz ~ 3GHz $< -120 \text{dBc/Hz}$ @ 1GHz 20kHz offset
Interference Signal Type	CW Steped-CW AM FM NOISE PULSE Digital Modulation	2~65535 steps, 10ms ~ 50s dwell time, 0 ~ 80% in 0.1% steps, sine/square/sawtooth/triangle rate 1Hz ~ 20kHz, 1Hz steps Frequency Range: 1Hz ~ 20kHz, 1Hz steps Frequency swing 1MHz, 0.1% steps, sine/square/sawtooth/triangle rate 0.1Hz ~ 10kHz, 0.1Hz steps 10kHz ~ 100MHz bandwidth, 10kHz steps On/Off Ratio $> 70 \text{dB}$ Raise/Fall 200ns Period 4us ~ 50s BPSK, QPSK, 16QAM, 64QAM bandwidth 100kHz ~ 100MHz
Reverse Protection	Maximum Reverse Power Maximum Reverse DC Level	1W 50V

Panel Connector	RF Output I/Q Input I/Q Output USB 2.0 LAN VGA	Type N Female Connector BNC Input, 50Ω, 1Vp-p Maximum
Remote Control	Remote Control Interface Control Language	LAN SCPI 1997.0
Power Requirement	220 ~ 240VAC, 50/60Hz, 300W	
Working Temperature	0 ~ 40°C	
Storage Temperature	-10 ~ 55°C	
Weight	≤20kg	
Size	135mm×440mm×505mm	

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About Transcom

Shanghai Transcom Instrument Co., Ltd. (NEEQ: 831961), established in 2005, independently research and develop high-end radio frequency communication testing instruments and is a professional provider of overall testing solutions. Starting from 2009, Transcom, titled as National High-Tech Enterprise and the fostered enterprise by Shanghai Little Giant Project, has undertaken the tasks of development for National "New-Generation Broadband Wireless Mobile Communication Network" and the construction of Shanghai Engineering Research Center for Wireless Communication Testing Instruments.

In 2015, Transcom officially announced its new five-year development strategy "1+3". In detail, Transcom will continue to enhance its potential to be the national team for domestic wireless communication instruments, and develop security software for mobile communication network (network communication/data mining), wireless signal (spectrum monitoring/situation analysis) and Beidou navigation (signal monitoring for satellite navigation/mobile anti-jam verification platform). The strategy has now been implemented systematically with progressive achievements in Shanghai, Guangdong and other cities.

Keep innovating for excellence!



ISO9001



ISO14001

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