



Consultix WTX Test Transmitters Family

One Transmitter... All Bands



Wide-band Multi-port Hand-held

150 MHz to 3.9 GHz

CBRS
LTE
UMTS/HSxPA
GSM/EDGE
CDMA2000/EV-DO
WiFi
WiMAX
Public Safety/TETRA/LMR

Consultix's award-winning WTX Test Transmitters are setting the standard for next generation transmitters for indoor and outdoor applications. The wideband frequency operation allows a single device to be used for all bands and technologies either; from 150 MHz to 3.9 GHz, eliminating the need to purchase and carry multiple transmitters to the site. The superior RF performance and output level accuracy, +20 dBm standalone output power and +47 dBm with optional external amplifiers, make it the ideal solution for outdoor and Indoor propagation model tuning, and DAS injection tests.

Multi-Port models allow user to utilize one transmitter to generate up to 4 CW signals simultaneously on the device's 4 ports. Each port operates totally independent from the other three and is Wideband up to the entire frequency range of the transmitter.

Performance

- 0.5 dB Level Accuracy (Typ.)
- Outdoor Configurations (50 Watt Amplifiers)
- CW or Modulated (WCDMA & LTE Models Available)
- Up to 3 Hour Battery Operation

Convenience

- Multi-band Operation in a Single Unit
- Light Weight (< 700g)
- Ergonomic Handheld Form Factor
- Tripod Mounting Options



Specifications:	WTX-05	WTX-35-A	WTX-35-B
RF Characteristics			
Number of RF Ports	1	1	2 or 4
Internal Frequency Accuracy	2 ppm. (typ. 1 ppm)		
Frequency Ranges (Selected as per Ordering Information below)	2.6GHz, 2.4 GHz, 2.1 GHz, 1.9 GHz, 1.8 GHz, 900 MHz, 850 MHz, or 700 MHz selections	300 to 3000 MHz 3450 MHz to 3950 MHz (Optional)	400 MHz to 2700 MHz 150 MHz to 400 MHz (Optional) 2700 MHz to 3500 MHz (Optional)
Number of Bands per unit	Tri-band	Wide-band	Wide-band
Frequency Step	100 KHz	1 KHz	100 KHz
Modulation	CW or 3GPP WCDMA	CW	CW
3G UMTS Channels	CPICH, SCH, and PCCPCH	N.A.	N.A.
Min. Output Power	-10 dBm		
Max. Output Power	20 dBm @ 2.1 GHz 15 dBm @ 850 MHz and 900 MHz 11 dBm @ other bands	20 dBm @ (300 MHz to 2900 MHz) 10 dBm @ (3450 MHz to 3950 MHz)	15 dBm @ (150 MHz to 1800 MHz) 10 dBm @ (1850 MHz to 3000 MHz) 5 dBm @ (3000 MHz to 3500 MHz)
Power Accuracy	±1 dB (typ.±0.5 dB)		
Non-Harmonic spurious	<40 dBc @ 10dBm output		
Scrambling Code	0 to 511	N.A.	
RF output	50 Ohm SMA Female		
Power supply			
Input Power	9 to 14 VDC (Over voltage protection up to 28VDC)		
Power Consumption	<14Watts	<7 Watts	<14 Watts
Charger	220V AC, 50 Hz.		
DC Input	Power Jack 2.1 mm ID 5.5mm OD		
Battery operation time (At continuous maximum output power)	105 minutes (Field exchangeable battery)	>3 Hours (Field exchangeable battery)	105 minutes (Field exchangeable battery)
Physical			
External Dimensions	L179 x W80 x H43mm		
Weight	Weight < 700gm incl. battery		
Operating Temp	-10 to +40 C		
Compliance	CE and RoHS		
Ingress Protection	IP65		
Standard Package	Transmitter, AC Charger, Hard Carrying Case and User Manual		

Ordering information	
Wide-band CW Transmitter; 300 to 3000 MHz	WTX-35-A4
Frequency Range License: 3450 MHz to 3950 MHz (For WTX-35-A4)	WTX-35-A4-K37
4 port, Wide-band Transmitter; 400 MHz to 2700 MHz	WTX-35-B4
2 port, Wide-band Transmitter; 400 MHz to 2700 MHz	WTX-35-B2
2-Port to 4-Port Upgrade License (For WTX-35-B2)	WTX-35-K24
Frequency Range License: 150 MHz to 400 MHz (For WTX-35-B2 or B4)	WTX-35-B-KV
Frequency Range License: 2700 MHz to 3500 MHz (For WTX-35-B2 or B4)	WTX-35-B-K35
Frequency Dwelling (Hopping) mode	WTX-35-FD4
Tri-Band WCDMA/CW Transmitter (See available bands above)	WTX-05 -xxxxxx*
3m RF cable (SMA Male to Type-N Male)	WTX-Acc-CSN
Multi-band Omnidirectional DAS Antenna (698 MHz – 2700 MHz)	WTX-Acc-DA0
Multi-band Cellular Whip Antenna (698 MHz – 2690 MHz)	WTX-35-CA1
TETRA Whip Antenna (380 MHz-450 MHz). (Other bands available)	WTX-Acc-TA0
External battery pack (Up to 8 hours operation)	WTX-Acc-BP
Car charger	WTX-Acc-CC
Tripod 4 m (158 in.), folds down to 64 cm (25 in.) (Other lengths available) (Including custom mounting plate to mimic ceiling Antenna)	WTX-Acc-4T

*xx= 26, 25, 24, 21, 19, 18, 09, 08, 07, or 03 for the above specified bands respectively. (Others available)
xx represents frequency band. Ex. for 2.6 GHz band, xx= 26, for 900 MHz, xx= 09

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