



## Consultix CellWizard™ CW Transmitter Family

One Transmitter... All Bands



### Wide-band Multi-port Hand-held

150 MHz to 4 GHz

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

Consultix's award-winning CellWizard™ 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 4 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
<b>RF Characteristics</b>			
Number of RF Ports	1	1	2 or 4
Frequency Ranges (Selected as per Ordering Information Below)	2.6 GHz, 2.4 GHz, 2.1 GHz, 1.9 GHz, 1.8 GHz, 900 MHz, 850 MHz, or 700 MHz Selections	300 to 3000 MHz 3000 MHz to 4000 MHz (Optional)	400 MHz to 2700 MHz 150 MHz to 400 MHz (Optional) 2700 MHz to 3700 MHz (Optional)
Number of Bands per Unit	Tri-band	Multi-band	Multi-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.
Internal Frequency Accuracy	2 ppm. (typ. 1 ppm)		
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) 15 dBm @ (2900.1 MHz to 4000 MHz)	15 dBm @ (150 MHz to 1800 MHz) 10 dBm @ (1800.1 MHz to 2700 MHz) 5 dBm @ (2700.1 MHz to 3500 MHz) 2 dBm @ (3500.1 MHz to 3700 MHz)
Power Accuracy	±1 dB (typ. ±0.5 dB)		
Scrambling Code	0 to 511	N.A.	
RF Output Interface	50 Ohm SMA Female		
<b>Power Supply</b>			
Input Power	9 to 14 VDC (Over Voltage Protection up to 28 VDC)		
Power Consumption	<14 Watts	<7 Watts	<14 Watts
AC Charger	Input: 100-240 VAC, 50-60 Hz / Output: 12 VDC, 2A		
DC Input	Power Jack 2.1 mm ID 5.5 mm OD		
Battery	Li-Po, 2200 mAh		
Battery Operation Time (At Continuous Maximum Output Power)	105 Minutes (Field Exchangeable Battery)	>3 Hours (Field Exchangeable Battery)	105 Minutes (Field Exchangeable Battery)
<b>Physical</b>			
External Dimensions	L179 x W80 x H43 mm		
Weight	Weight < 700 gm incl. Battery		
Operating Temp	-10 to +40 C		
Compliance	CE and RoHS		
Ingress Protection	IP65		
<b>Standard Package</b>	Transmitter, AC Charger, Hard Carrying Case and User Manual		

<b>Ordering Information</b>	
Wide-band CW Transmitter: 300 to 3000 MHz	WTX-35-A4
Frequency Range License: 3000 MHz to 4000 MHz (For WTX-35-A4)	WTX-35-A4-K39
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 3700 MHz (For WTX-35-B2 or B4)	WTX-35-B-K37
Frequency Dwelling (Hopping) Mode (For WTX-35-B2 or B4)	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-3
Multi-band Omnidirectional DAS Antenna (698 MHz – 2700 MHz)	WTX-Acc-DA0
Multi-band Omnidirectional DAS Antenna (380 MHz – 6000 MHz)	WTX-Acc-DA1
TETRA Whip Antenna (380 MHz-450 MHz). (Other Bands Available)	WTX-Acc-TA0
Car Charger	WTX-Acc-CC
Tripod 4 m (158 in.), Folds Down to 1.3 m (51 in.) (Including Antenna Mounting Plate) (Other Lengths Lavailable)	WTX-Acc-4LT

\*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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