



## 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<br>3000 MHz to 4000 MHz (Optional)                  | 400 MHz to 2700 MHz<br>150 MHz to 400 MHz (Optional)<br>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<br>15 dBm @ 850 MHz and 900 MHz<br>11 dBm @ other bands             | 20 dBm @ (300 MHz to 2900 MHz)<br>15 dBm @ (2900.1 MHz to 4000 MHz) | 15 dBm @ (150 MHz to 1800 MHz)<br>10 dBm @ (1800.1 MHz to 2700 MHz)<br>5 dBm @ (2700.1 MHz to 3500 MHz)<br>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<br>(Field Exchangeable Battery)  | >3 Hours<br>(Field Exchangeable Battery)                            | 105 Minutes<br>(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)<br>(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

**Find us:**

Building 57A, 2nd district, 6th area, El-Teseen st.11835,  
New Cairo, Egypt. +2 02 25647370 info@consultixwireless.com



877-711-1757  
sales@dastronixusa.com