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TC-7228 Dual Receiver Direction Finder Processor



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The TC-7228 is intended for mobile operation where covert location of surveillance equipment is required. The unit can be controlled remotely or locally using the TC-3518 Remote Operating Unit, a color touch-screen device.

The single package includes the DF processor, a miniature Windows 7 PC and two (2) receivers. The dual-receiver design allows the user to continuously monitor one frequency in the DF mode while using the second receiver for acquisition or band scope use.

In conjunction with the TC-3518, a mapping option is available. This includes a GPS and flux-gate compass. This configuration allows for smooth moving-map operation. LOB storage and audio recording are also accommodated.

SPECIFICATIONS:

DF Processing TechniquePhase/Amplitude electronic rotating
goniometer, digitally processed
Frequency Range100 kHz -3.0 GHz, limited by receiver/DF antenna
Signal formats (modulation)AM, FM, WFM, SSB, CW
Signal Bandwidths200 Hz through 10 MHz
Instrument processing accuracy± 1 degree
Instrument processing resolution1 degree
Response timebetter than 80 msec
CalibrationAutomatic

Controls

PowerOn / Off

Inputs/Outputs

Power Input..... +12VDC, (10-14.5VDC) 10A max.
4-pin PowerPole style
Antenna Control..... MIL 15-pin connector
RF/DF Input..... TNC
RF/Omni Input..... N
Ethernet.....1 port
USB 3 ports
Audio Out 1/8"
Remote Display Power Out Co-axial (12VDC)

Processor Size..... 12.00" high x 9.00" wide x 15.00" deep
(30.5 cm x 23.0 cm x 38.1 cm)

Processor Weight.....23 lbs. (10.5 kg)

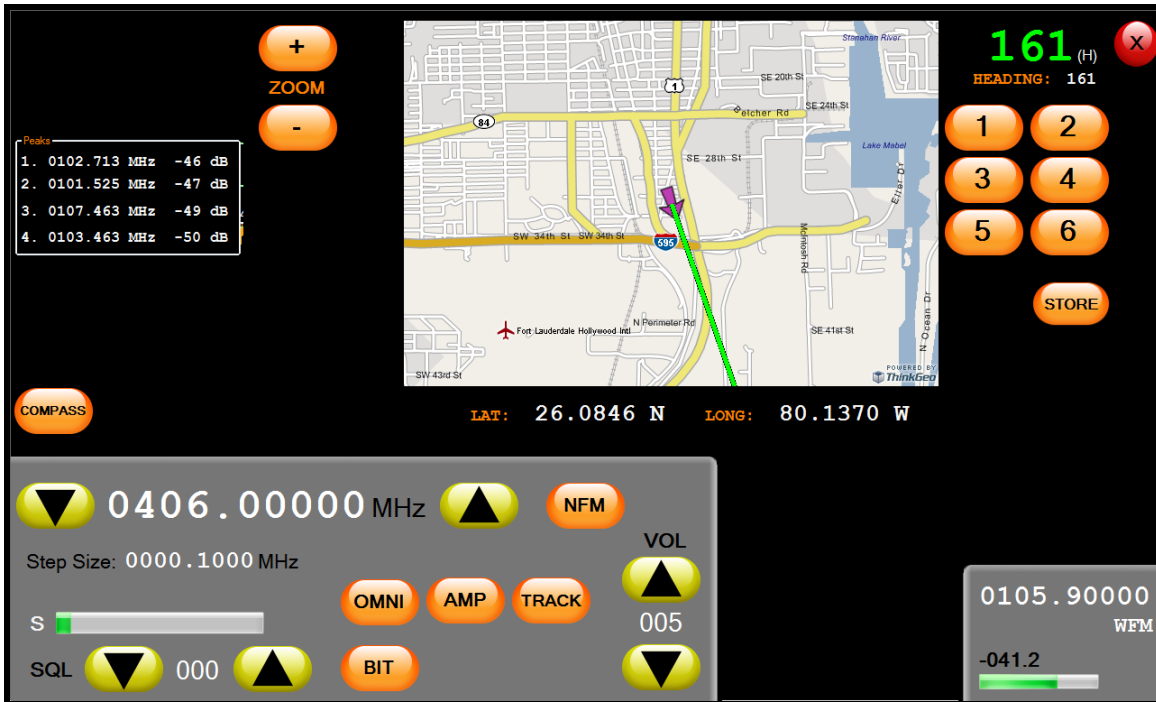
Environmental

Temperature: Operating.....0 degrees to +50 degrees C
Non-Operating.....-10 degrees to +70 degrees C
Humidity..... 0 to 95%

TC-7228



Sample Display with TC-3518 & Mapping Option



Band Scope Mode with TC-3518 & Mapping Option

