

Communication.
Terrain Awareness.
Traffic Information.



- Supports ADS-B and TIS-B
- Certified to ETSO-C113,-C147

CDTI-2000

The Multi-Function Display
and Traffic Information System

Terrain and traffic awareness, communication and more...

Your safety is our main objective. This is why we are constantly striving to make your flight even safer. The CDTI-2000 is designed to support you during your flight and to provide you with exceptional situation awareness of your position, surrounding terrain and traffic, so that you can take suitable measures to avert potential dangerous situations. This integrated solution conserves your valuable panel space while you can still enjoy the convenience of GPS-based Moving Map navigation.

The CDTI-2000 further represents the onboard part of Euro Telematik's fleet management system AeroFleet, enabling digital air-ground communication for the purpose of advanced fleet monitoring and management.



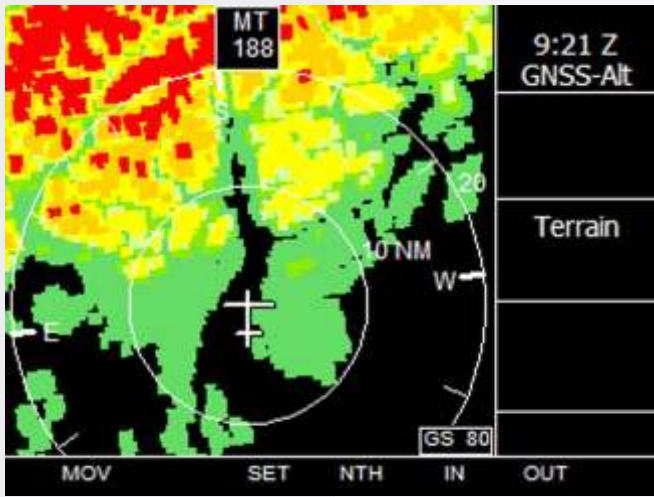
Traffic Awareness Display

The capability for aircraft to receive airborne traffic data from other aircraft and ground-based systems is expected to be part of the future Air Traffic Surveillance system. ADS-B is a surveillance technique in which aircraft are transmitting position data via a broadcast-mode data link for utilisation by any air or ground user. TIS-B is defined as a broadcast service in which surveillance information is gathered on the ground and transmitted to airborne systems.

The CDTI-2000 is capable to process these ADS-B and TIS-B reports as received via the respective data link (VDL Mode 4 and Mode S 1090ES) and to display this traffic information on the screen. This visualisation of other aircraft is possible in a dedicated display mode or in an integrated presentation together with terrain and navigation features.



Slot for CF card



Terrain Awareness Display

GPS provides a continuous position update. The CDTI-2000 compares your altitude with elevation data for the current position from its terrain data base. Terrain and obstacles (not available for all countries) are depicted on the color display relative to your current altitude and position.

For further orientation airports and nav aids in your vicinity are displayed as well. If you connect your panel-mounted or hand-held GPS and plan your flight, your CDTI-2000 presents this route on the display.



Moving Map

The CDTI-2000 can show your position on various digital bitmap charts. In standard configuration, VFR en-route charts are included. At a glance, you can determine your position relative to flight-relevant locations and objects such as airports and airspace.

In addition, customised mission charts or charts for special purposes can easily be integrated and shown on the display.



Digital Communication

Digital air-ground communication provides the basis for efficient management of an aircraft or helicopter fleet. If connected to a respective satellite-based communication data link the CDTI-2000 provides the onboard functions of air fleet management like position reporting, mission locating and two-way messaging.

You will never want to fly without:

- Traffic Awareness
- Terrain Awareness
- Moving Map
- Communication Display

Technical Data



Size

- Height 114.00 mm
- Width 146.05 mm
- Depth 185.00 mm
- Weight 2 kg

Electrical

- Power Input 10-32 VDC (50W)

Interfaces

- RS232/422 External GPS
- RS232/422 Ryan TCAD
- RS232/422 Satcom Modem
- RS232/422 Altimeter (via Serializer)
- RS232/422 VDL Mode 4
- Ethernet Mode S 1090 ES Receiver
- ARINC 429 a/c sensors (optional)

Environmental

- RTCA/DO-160D Env. Cat [(B1)Z]CAB[(SM)(UF)]XXXXXXZBABZWM[XXF3]XXA

Temperature Range

- Operation -15°C to +55°C
- Storage -25°C to +85°C

Certification

- ETSO -C113, -C147

Funkwerk Avionics GmbH

Funkwerk Avionics GmbH is part of the German Funkwerk Group which develops and produces professional communication systems used in various areas of transportation. Further information can be found at www.funkwerk.com.

Funkwerk Avionics GmbH is an EASA approved production and maintenance organisation (EASA Part 21G/Part 145). It develops, produces and sells avionics equipment and avionics system solutions in the areas of communication, navigation and displays. The company also offers the "Filser" product lines of TRT Mode S transponders and ATR VHF voice radios for general aviation.

Funkwerk Avionics also develops avionics equipment and system solutions for major OEM companies such as Airbus Deutschland, EADS Deutschland and public agencies such as Eurocontrol or the European Space Agency (ESA).

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