

TC-5025C/3 DIRECTION FINDER PROCESSOR



Features

- **3 Band Coverage, 200KHz to 30MHz, VHF, UHF**
- **Automatic Antenna Band Switching**
- **406 MHz EPIRB Message Decoding**
- **NMEA-0183 Output, Ver 2.1, ADF Message**
- **Color Touch Screen Display**
- **RS-232 Control (optional)**
- **Variable Bearing Integration Speed**
- **Ethernet Control (optional)**

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Specifications

Physical Dimensions:	5.25"H x 19.00" W x 19.80" D
Weight:	17 lbs. Approx.
DF Processing Technique:	Phase/Amplitude (HF), and Pseudo Doppler (VHF, UHF), digitally processed
Frequency Range(s):	200KHz – 30MHz 108MHz – 176MHz 220MHZ – 470MHZ
Signal Formats:	AM, NFM, WFM, SSB, CW
Signal Bandwidths:	Determined directly by receiver
Sensitivity:	6dB signal-to-noise ratio for a bearing indication
Instrument Processing Accuracy:	1 degree
Instrument Processing Resolution:	1 degree
Response Time:	Better than 100 msec
Bearing Display Memory:	Automatically stores last LOB on front panel display on signal loss
Operating Temperature Range:	0 degrees to +50 degrees C
Non-Operating Temperature Range:	-20 degrees to +70 degrees C
Humidity:	0 to 95%

Front Panel Connector – Phones

Phone Jack for headphones with spring loaded dust cover (Deactivates speaker when headphones jack is inserted.)

Front Panel Display

Azimuthal DF Bearing:	3-digit output with 1 degree resolution
Relative DF Bearing:	360 segment compass format with 1 degree resolution
Active or Memory Bearing:	White Trace and 3-digit azimuth: Active Red trace and 3-digit azimuth: Memory
Signal Strength:	10 segment colored meter

Front Panel Controls

Power:	ON: Push button switch OFF: Hold Power button for 3 seconds or at touch screen display
Volume:	Adjusts receiver audio volume for headphones or front panel
Squelch:	Sets receiver squelch for monitor or frequency scan routines
Tuning:	Receiver tuning at touch screen or with keypad entry
Brightness and Control:	Adjusted at touch screen
Amplifier:	ON/OFF selectable at touch screen display
DF Mode:	DF/OMNI selectable at touch screen display
Bearing Offset:	000 or operator set (000-359)
DF Speed:	Fast/Slow/Track selectable at touch screen display
Detection mode:	Selectable at touch screen display
Tuning Step Size:	100 Hz to 999 KHz setable at touch screen display

Rear Panel Connectors

Power Input:	+12VDC 2-pin CPC
Antenna Control:	MIL Multipin (15 Pin)
RF Input:	TNC
RS-232:	9-Pin D Male Subminiature
Ethernet:	RJ-45