

TDT1000 Transducer Diagnostic Tester

Kit Includes

- TDT1000
- Adapter cable with terminal box for transducers with NO connector
- Power charger with USB to Micro USB adapter
- Carrying case
- International wall-plug adapter kit (UK, Australia, and Europe)
- OEM adapter cables (if purchased)
- TDT Test Block



Before you start

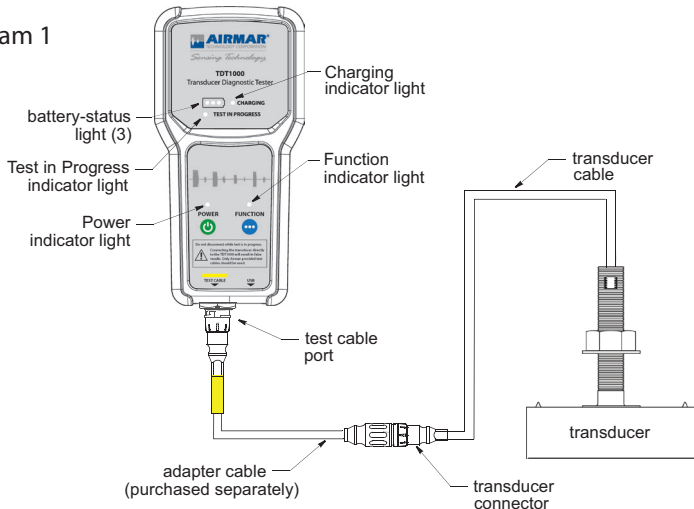
1. Read the entire Owner's Guide, review product specifications, and register your product at www.airmar.com/tdt1000.
2. The SensorCheck™ app must be installed on a Bluetooth® LE-enabled iOS or Android device to connect to the TDT1000.



CAUTION: The transducer must be connected to the TDT1000 through an OEM adapter cable. Do not connect the transducer directly to the TDT1000.

CAUTION: The transducer and OEM adapter cable must be connected to the TDT1000 before starting a test. Do not connect or disconnect a transducer while testing is in progress. Doing so may damage the TDT1000.

Diagram 1



Step 1

Prepare the transducer for testing

1. The transducer being tested must be done one of the following ways:
 - Installed in a boat while the boat is in the water.
 - Tested utilizing the TDT tester block.
2. Utilizing the correct OEM adapter cable (sold separately), connect the TDT1000 to the transducer cable (Diagram 1). If the transducer does not have a connector, it must be connected through the terminal box. Follow the color-coded instructions on the terminal box.


Available OEM Adapter Cables:

Available OEM Adapter Cables:	Part Number
Furuno Adapter Cable, 10M - FU connector	33-1328-01
Furuno/Si-tex Adapter Cable, 8M - F (Fuji) connector	33-1327-01
Garmin Adapter Cable, 6M - A connector	33-1324-01
Garmin Adapter Cable, 8M - G connector	33-1325-01
Garmin Adapter Cable, 12M - G connector	33-1326-01
Koden Adapter Cable, 8M - A connector	33-1338-01
Lowrance Chirp Adapter Cable, dual 7FB - LR connector	33-1333-01
Lowrance Conventional Adapter Cable, 7FB - LR connector	33-1332-01
Mix & Match Adapter Cable, 1kW, 9F - A connector	33-1323-01
Mix & Match Adapter Cable, 600W, 5F - A connector	33-1389-01
Mix & Match Chirp Adapter Cable, 12M - MM connector	33-1390-01
Navico Adapter Cable, dual 9F - A connectors	33-1388-01
Navman Adapter Cable, 6M - A connector	33-1335-01
Simrad Adapter Cable, 7M - A connector	33-1334-01
Si-tex Adapter Cable, 8F - A connector	33-1337-01
Raymarine Adapter Cable, 6/9F - A connector	33-1330-01/ 1310-01 (Sense Resistor Ident.)
Raymarine Adapter Cable, 11M - LTW connector	33-1331-01/ 1312-01 (Sense Resistor Ident.)
Raymarine Adapter Cable, 8M - RR connector	33-1329-01/ 1311-01 (Sense Resistor Ident.)

Visit AIRMAR.COM/TDT1000 for the most updated OEM Adapter list.

Step 2

Start the test

1. Power on the TDT1000. The LED will glow green. 
2. Open the SensorCheck app on your device and connect to the TDT1000 via Bluetooth.
3. Press the **Start Test** icon on the SensorCheck app to begin the test.

NOTE: If the SensorCheck app does not connect to TDT1000, see the back panel of this Quick Start Guide, **Troubleshooting**.



4. SensorCheck automatically checks for Xducer ID® (Screen A). If found, the test will begin.

If not found, you will have to enter the information requested on the screen (Screen B).

Screen A



Screen B

Model #	OEM	OEM #	Airmar #

Default tests

600W 50/200 kHz	300W 83/200 kHz	300W 77/200 kHz
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No Xducer ID® feature

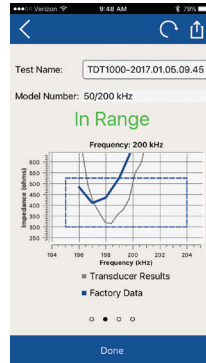
Step 3

Review your results

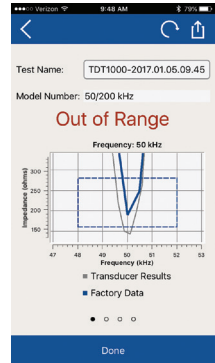
At the completion of the test, one of two screens will appear. If the results are **In Range**, email results to the boat owner, dealer, and/or installer (Screen A).

If the results are **Out of Range**, email test results with your contact information to tdt1000@airmar.com before removing or replacing the transducer (Screen B).

Screen A



Screen B



Troubleshooting

TDT1000 will not turn on

- Make sure unit has been fully charged.
- Confirm charging light is lit.
- It may take a full charge cycle before the unit will power on.

SensorCheck app cannot find/connect to the TDT1000

- Make sure Bluetooth is LE. Older phones may not have Bluetooth LE.
- Only one app/Bluetooth device can connect to TDT1000 at a time. Make sure no other devices are already connected. Power off the TDT1000 and restart the Bluetooth search.

Test results indicate the transducer is out of range, but I am not sure it is.

- Consult the Owner's Guide. Results may vary based on the test environment.
- Vary the test environment and see if the results bring the transducer into range.
- Verify that you are using the correct adapter cable.
- If using the test block, ensure there is no air between block and transducer.

Training and support services can be found at the following:

Gemeco (USA)

Tel: 803-693-0777

email: sales@gemeco.com

Airmar EMEA (Europe, Middle East, Africa)

Tel: +33.(0)2.23.52.06.48

email: sales@airmar-emea.com

Download SensorCheck on the
App Store or Google Play



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