

TDT1000 Transducer Diagnostic Tester

Kit Includes

- TDT1000
- Test 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 test cables (if purchased)
- TDT Test Block



Before you start

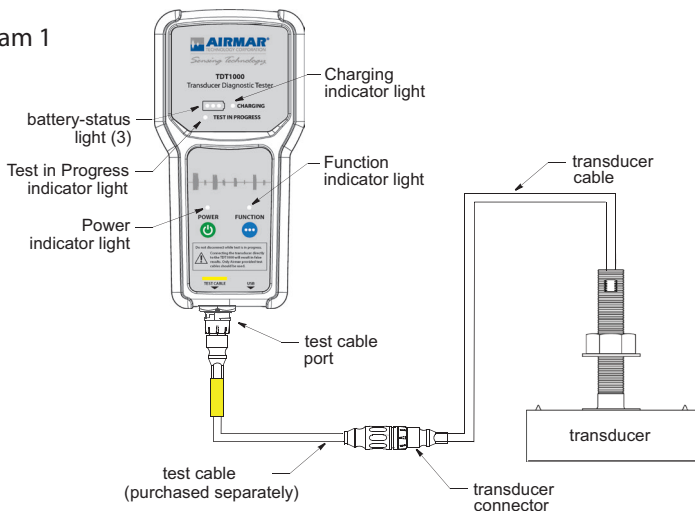
1. Read the entire TDT1000 Owner's Guide and SensorCheck™ User Manual, review product specifications.
2. The SensorCheck™ app must be installed on a Bluetooth® LE-enabled iOS or Android device to connect to the TDT1000.



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

CAUTION: The transducer and OEM test 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. Best results when test block is submerged in water.
2. Utilizing the correct OEM test 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 Test Cables:


Part Number

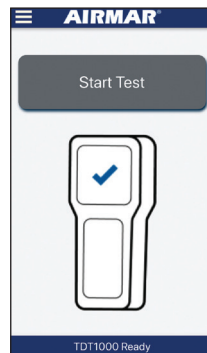
Furuno, 10M - FU connector	33-1328-01
Furuno/Si-tex, 8M - F (Fuji) connector	33-1327-01
Furuno 12 pin PU Connector	TDT-FJ12
Garmin, 6M - A connector	33-1324-01
Garmin, 8M - G connector	33-1325-01
Garmin, 12M - G connector	33-1326-01
Koden, 8M - A connector	33-1338-01
Lowrance Chirp, dual 7FB - LR connector	33-1333-01
Lowrance Conventional, 7FB - LR connector	33-1332-01
Mix & Match, 1kW, 9F - A connector	33-1323-01
Mix & Match, 600W, 5F - A connector	33-1389-01
Mix & Match Chirp, 12M - MM connector	33-1390-01
Navico, dual 9F - A connectors	33-1388-01
Navman, 6M - A connector	33-1335-01
Simrad, 7M - A connector	33-1334-01
Si-tex, 8F - A connector	33-1337-01
Raymarine, 6/9F - A connector	33-1330-01/1310-01 (Sense Resistor Ident.)
Raymarine, 11M - LTW connector	33-1331-01/1312-01 (Sense Resistor Ident.)
Raymarine, 8M - RR connector	33-1329-01/1311-01 (Sense Resistor Ident.)

Visit AIRMAR.COM/TDT1000 for the most updated OEM test cable 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. Ensure the transducer is connected to the TDT1000 with the proper OEM test cable.
4. 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**.

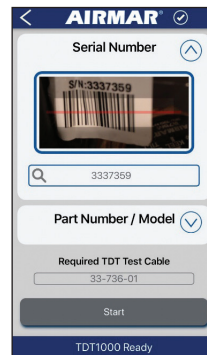
5. SensorCheck automatically checks for Xducer ID® (Screen A). If found, the test will begin.

If not found, you will have to enter the information requested on the screen (Screen B) by scanning the bar code on the cable label or entering model or serial number.

Screen A



Screen B



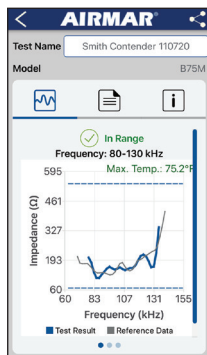
Step 3

Review your results

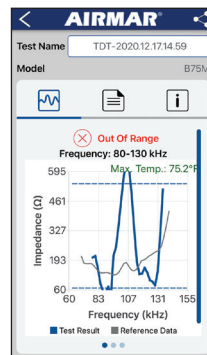
At the completion of the test, one of two screens will appear. If the results are **In Range**, email results to the boat owner, dealer, and/or installer (Screen A).

If the results are **Out of Range**, alter the test variables and retest multiple times to ensure the results are consistent. 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 test 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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17-632-01_rev04 TDT1000_QuickStart 03/15/21

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