

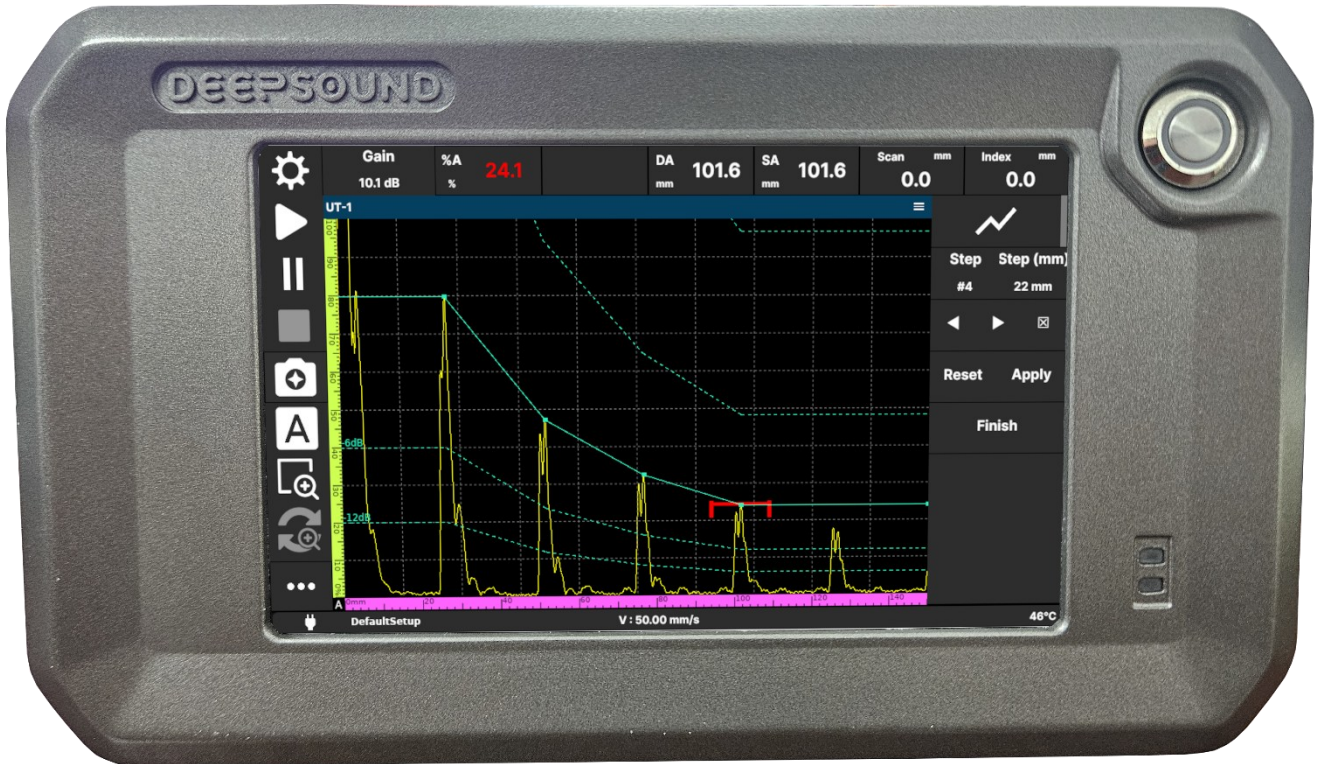


# DEEPSOUND T3

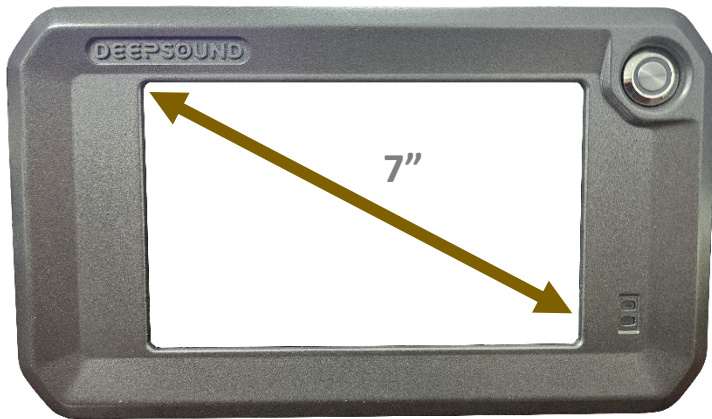
## Go Beyond The Limits

High-End Performance in a Lightweight Design

LCD 7" Display Portable Conventional UT



# External Design



Front



Rear



RIGHT PORTS



TOP PORTS

The software for the T3 device is provided free of charge.

It supports **two UT ports** (Probe Ports). Additionally, it features a **7-inch display** and a capacitive touchscreen.

The external port configuration includes Power, USB, Encoder, and LAN ports, and the device is designed with a lightweight build for one-handed operation.

# Features

**7" Screen and  
Ultra-light 0.9kg**

**Incredible Portability**



## A Lightweight and Compact Product

While featuring a **7-inch display**, the **DEEPSOUND T3** achieves the most compact design among portable NDT (Non-Destructive Testing) devices in its class.

Weighing **under 1kg**, it allows for convenient **one-handed operation** in various working environments.



**Quick-Change**



**Increased Capacity**

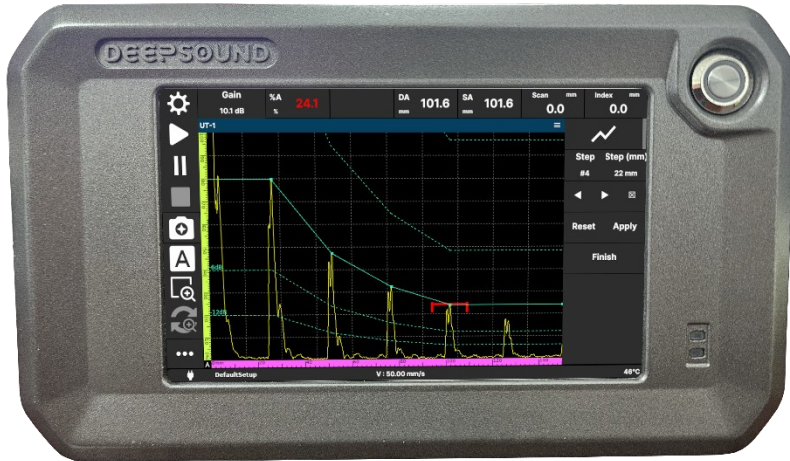
## Portable, Quick-Change Batteries

The DEEPSOUND T3 comes standard with one smart battery.

The battery is designed for quick and easy replacement, supporting continuous operation in the field.

Additionally, the operating time can be further extended by using a high-capacity battery pack.

# Additional Features



## Calibration Tool

The DEEPSOUND T3 offers a variety of **calibration programs**, including **Velocity, Wedge delay, DAC, and Encoder**.

It also provides **TOFD calibration** within the software, ensuring accurate and high-precision inspections through pre-test calibration.

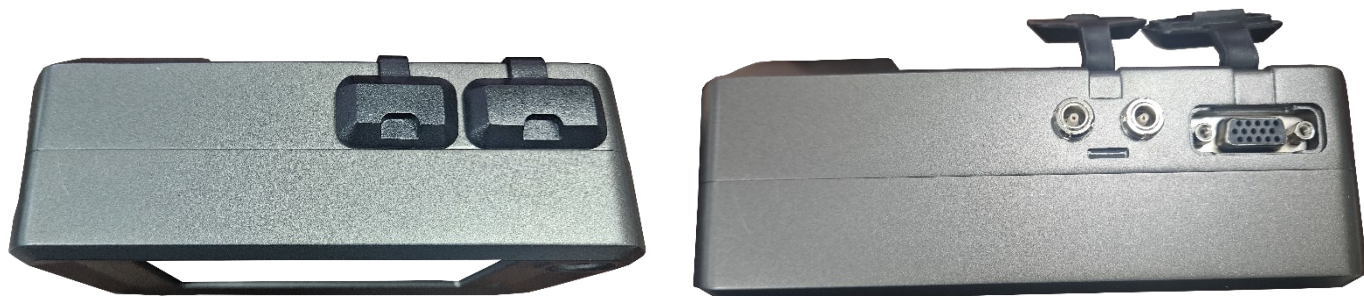


## TOFD Tool

The DEEPSOUND T3 comes standard **with TOFD functionality** and is designed to acquire images while in motion by utilizing the Encoder Port.

With the DEEPSOUND T3, you can design an **optimized inspection solution**.

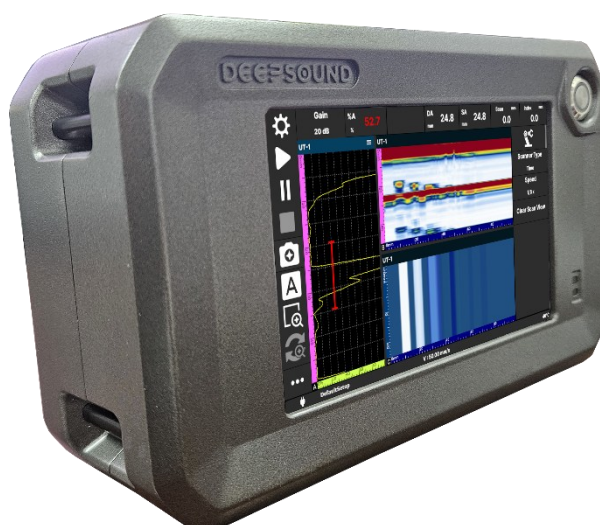
# Additional Features



## Encoder Port

The DEEPSOUND T3 is equipped with an **Encoder port**, allowing for real-time data collection and storage, which ensures high inspection reliability.

It provides a wide range of solutions by utilizing the **Encoder**.



## Thickness Measurement

The DEEPSOUND T3 software is designed to perform **thickness measurements**.

Based on the signal detected in the **Gate**, users can identify variations by changing colors in the **C-scan** or by directly analyzing the **B-scan** images.

# Specifications

## General

Dimensions(W x H x D)	174mm x 111.5mm x 61mm
Weight (With Battery x 1)	0.9kg (With Battery x1 )
Power Supply	12V, 5A
Batteries	Li-ion, 7.2V/6600mAh/47.52Wh x 1ea
Operation time	Up to 5 hours
Display	7" Wide Monitor [ 1024 x 600 ]
Storage	16GB

## Connectivity

USB Port	USB 3.0 x1
UT Port	Lemo 00 UT Connector x2
Encoder Port	2-axis Encoder input x1

## ENVIRONMENTAL

Operating temperature	0 – 60°C
Storage Temperature Range	-20 – 80°C

## UT Configuration

Max PRF	3000Hz
Refresh Rate	30Hz
A-scan Height	300%

## Data Specifications

Maximum Number of A-scan Data Point	Up to 16384
Rectification	RF, Full wave
Image export	Yes

## Acoustic Specifications

Pulser	Voltage	25V ~ 160V ( 5V Step )
	Pulse Shape	Bipolar Pulse
	Pulse Width	50ns ~ 2,000ns
Receiver	Gain Range	0dB ~ 90dB
	Band Width	0.5 ~ 20MHz
	Sample Resolution	16bit

**SEONGSAN**

(주) 성산연구소

**SEONGSANLAB Co.,Ltd**

**NDT Ultrasound Equipment Development**

Acehightechcity 13f 1318, 52 Gongdan-ro 140 beon-gil,

Gunpo-si, Gyeonggi-do, 15847. Rep.Korea

Tel. 02-2039-5725 Fax. 02-2039-5726

E-mail. [admin@dspaut.com](mailto:admin@dspaut.com)

Home page : [www.dspaut.com](http://www.dspaut.com)

YouTube : [DSPAUT - YouTube](https://www.youtube.com/DSPAUT)