



# SDT270 Ultrasound Inspection Guide

Learn Predictive Maintenance  
Through Real Industrial Training



## What is SDT270?

The SDT270 is a portable ultrasound inspection instrument used for predictive maintenance. It helps maintenance teams detect hidden mechanical and electrical faults before they become costly failures.

Industries use SDT270 to improve equipment reliability, reduce downtime, and plan maintenance more effectively.





## Why Use SDT270?

Unexpected failures can stop production & increase maintenance costs.

SDT270 helps detect developing problems early, allowing maintenance teams to take action before equipment fails.

### Benefits

- ✓ Reduce downtime
- ✓ Improve safety
- ✓ Lower maintenance cost
- ✓ Extend equipment life
- ✓ Improve reliability



## Applications of SDT270

|                           |                                             |
|---------------------------|---------------------------------------------|
| <b>Bearings</b>           | <b>Detect early bearing wear</b>            |
| <b>Motors</b>             | <b>Monitor rotating equipment</b>           |
| <b>Electrical Panels</b>  | <b>Detect corona, tracking &amp; arcing</b> |
| <b>Compressed Air</b>     | <b>Find air leaks quickly</b>               |
| <b>Steam Systems</b>      | <b>Locate steam leaks</b>                   |
| <b>Pumps &amp; Valves</b> | <b>Identify mechanical faults</b>           |



## Faults Detected by SDT270

### Equipment

### Fault



|                  |              |
|------------------|--------------|
| Bearings         | Bearing Wear |
| Motors           | Misalignment |
| Compressors      | Air Leak     |
| Steam Line       | Steam Leak   |
| Electrical Panel | Corona       |
| Switchgear       | Arcing       |
| Transformer      | Tracking     |

## SDT270 Inspection Process

Follow these simple steps for effective ultrasound inspection

### Visual Inspection



### Ultrasound Measurement



### Fault Detection



### Data Recording



### Maintenance Action



### Verify Results

- Check the equipment for visible damage or abnormal conditions
- Use the SDT270 to capture ultrasound signals
- Identify air leaks, bearing faults, or electrical discharge
- Save the inspection readings for analysis
- Repair or replace faulty components if needed
- Recheck the equipment after maintenance to confirm the issue is resolved



## Why Choose Agile Microsys?

We provide

- ✓ SDT270 Supply
- ✓ Operator Training
- ✓ On-site Inspection
- ✓ Predictive Maintenance
- ✓ Condition Monitoring
- ✓ Thermal Imaging Solutions
- ✓ Technical Support





## Practical Industrial Training



**Our experienced engineers provide practical SDT270 training to help maintenance professionals understand ultrasound inspection techniques and predictive maintenance.**

**Participants gain hands-on experience in fault detection and equipment inspection.**





**Download  
More FREE  
Resources**

-  **RTV Silicone Coating Inspection Checklist**
-  **Partial Discharge Inspection Checklist**
-  **RTV Industrial Brochure**

# Need SDT270 Training or Inspection?

Contact our experts today.

Agile Microsys Pvt. Ltd.

## Services:

- RTV Silicone Coating
- Thermal Imaging Inspection
- Online Thermal Monitoring
- SDT Ultrasound Inspection
- Anti-Corrosion Coating Solutions

## Get in Touch with Us

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