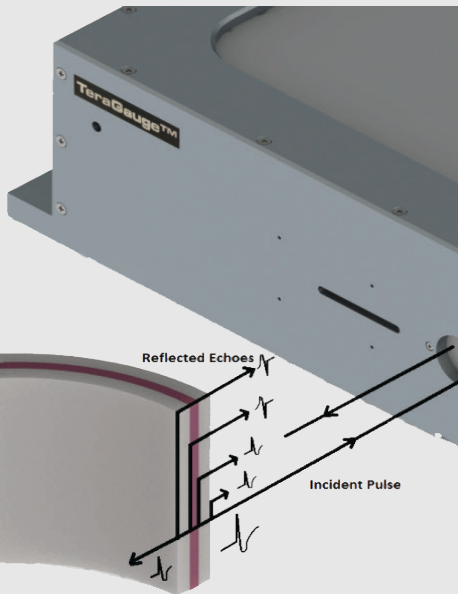


TeraGauge™

A Non-Destructive Testing Gauge Powered by Terahertz Waves™



TeraGauge™



Time-of-flight multi-layer thickness measurement with TeraGauge™

TeTechS' TeraGauge™ is a non-destructive testing gauge that is powered by terahertz waves™.

Non-contact, non-ionizing and non-destructive, TeraGauge™ is perfectly suited for use on opaque and translucent materials such as plastic, rubber, glass and more.

With high-dynamic response and outstanding signal-to-noise ratio, TeraGauge™ enables users to quickly and accurately measure, identify or inspect their products while simultaneously saving time, ensuring quality, and reducing cost and waste.

Application Examples

- ✓ Non-destructive testing
- ✓ Multi-layer thickness measurement
- ✓ Terahertz imaging
- ✓ Barrier detection in opaque plastic containers
- ✓ Hidden/sub-surface void detection
- ✓ Material spectroscopy and sensing
- ✓ Paint and coating inspection
- ✓ Basis weight measurement

System Specifications

| | |
|------------------------------|----------------|
| Time-of-flight resolution | < 1 ps |
| Frequency spectrum range | Up to 5 THz |
| Measurements per second | Up to 30 |
| Beam spot size diameter | 1 mm - 50 mm |
| Angular tolerance | ± 5 degrees |
| Gauge dimensions (W x L x H) | 17" x 15" x 5" |
| Gauge weight | 45 lbs |

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TeTechS

Measure, Identify, Inspect