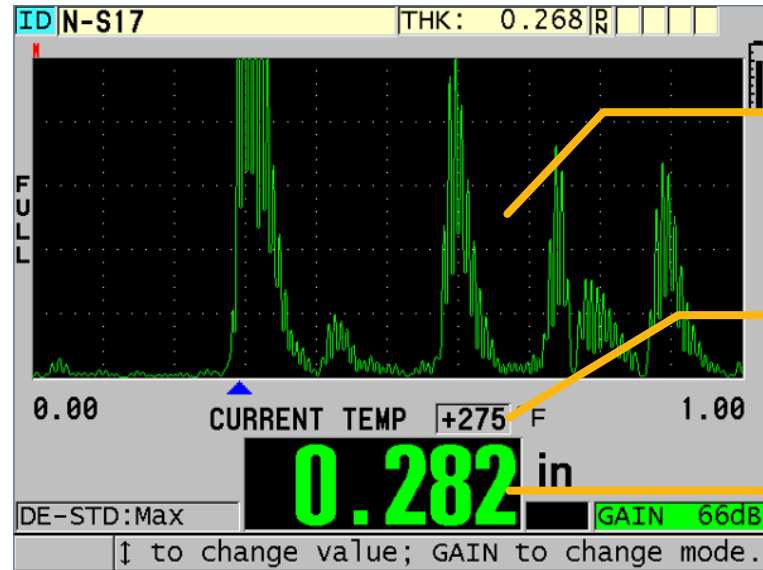
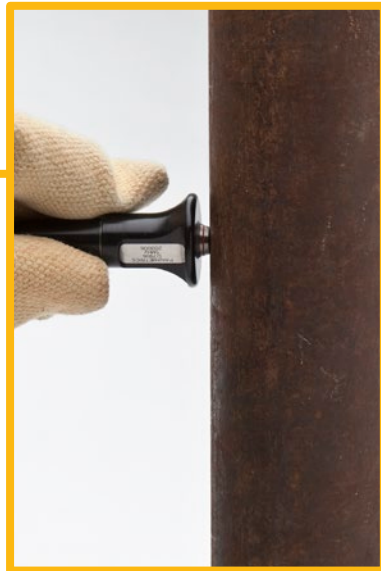


# Save Time and Reduce Cost with In-Service Thickness Testing

## 38DL PLUS® Ultrasonic Thickness Gage with Temperature Compensation

As carbon steel gets hotter, sound velocity slows down, leading to inaccurate thickness measurements. The 38DL PLUS thickness gage with temperature compensation solves this challenge, so you can conduct routine testing without costly equipment shutdowns.



### How it Works

According to ASME Standard E 797-95, the sound velocity of carbon steel decreases by about 1% per 55 °C or 100 °F

- Calibrate the 38DL PLUS gage to room temperature and input the elevated temperature of the material being tested
- The gage will automatically compensate for the velocity change and display the temperature-compensated thickness

### Why Use It?

Save time and reduce cost when inspecting high-temperature carbon steel

Inspect in-service pipes or tanks for corrosion and erosion without shutting down for cooling

Eliminate need to calibrate on heated reference standards or manually calculate temperature offset

### Recommended Equipment

Olympus thickness gage dual transducers for corrosion inspections

Olympus Microscan™ delay line transducers with high-temperature delay lines for precision thickness gaging applications