

# The **ect** 48

## Simultaneous Injection, Simultaneous Sampling Multi-Frequency Eddy Current System

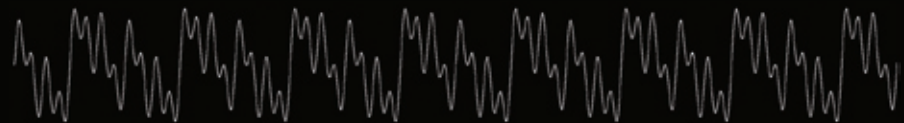
In 1979, **ect** developed the world's first simultaneous injection, multi-frequency eddy current instrument for which it was possible to change the frequency settings with front panel controls. The **ect** 3000 was also the world's first portable multi-frequency eddy current instrument ever built.

Today, Eddy Current Technology Incorporated remains the world leader in simultaneous injection, simultaneous sampling, portable multi-frequency eddy current instruments designed specifically for high speed heat exchanger tubing.

### Features:

- Simultaneous injection
- Simultaneous sampling
- Four frequencies, 10 Hz to 5 MHz
- 8 Eddy Current channels offer all 4 frequencies in differential and absolute simultaneously
- 8 Mixers
- 25 Virtual frequencies\*
- Frequency transform technology\*
- Up to 8 coil pairs
- Optional built-in optical disk or DVD drive for data storage
- Optional report software
- Large 15.1 inch LCD with 1280 x 1024 resolution
- Combination remote field near field probes for ferromagnetic heat exchanger tube inspection\*
- Sampling rate up to 12 kHz, all eight eddy current channels sampled simultaneously
- 1 kHz bandwidth
- Automatic calibration
- Automatic support plate cancellation

\* Patents applied for



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