



TRIBOSONICS

FMS-100

Overview

The Film Measurement System 100 is Tribosonics Ltd's flagship instrument for measuring film thicknesses on multiple channels in a wide range of research applications. The FMS hardware and software can be flexibly specified to suit individual needs.

Technical Specification

- 1 to 8 channels
- Pulse echo / through transmission per channel
- Receiver Gain range -40db to +110db
- Receiver Bandwidth 0.1 to 25 MHz
- Very low noise receive amplifier
- Interface gate and five measurement gates in real-time DSP hardware
- Receiver input impedance - 50/100/200/500R
- 100MHz sampling with 12 bit resolution
- Square Wave Pulser with low impedance output
- Variable -20V to -400V negative pulse output
- Max repetition rate with 8 channels selected - 12.5Khz per channel
- Fully independent receiver / pulser setup for each channel
- Fully configurable software using National Instruments LabVIEW™



Options

- Available as a lunch box (shown right) or a rackmount system
- 4-20mA current loop output
- 8 Analogue inputs for additional sensors
- 8 Analogue outputs for driving strip chart recorders
- 4 High current switches for relays and 12 lines of digital I/O for alarms
- Software development kit for user development.