

EG&G - 7260

DSP Lock-in Amplifier



- Frequency range: 0.001 Hz to 250 kHz
- Voltage sensitivity: 2 nV to 1 V full-scale
- Current input mode sensitivities: 2 fA to 1 μ A full-scale
fA to 10 nA full-scale
- Line frequency rejection filter
- Dual phase demodulator with X-Y and R- θ outputs
- Very low phase noise of < 0.0001° rms
- 5-digit output readings
- Dual reference mode - allows simultaneous measurement of two signals at different reference frequencies up to 20 kHz
- Single and dual harmonic mode - allows simultaneous measurement of up to two different harmonics of a signal
- Virtual reference mode - allows reference free measurement of signals up to 60 kHz
- Direct Digital Synthesizer (DDS) oscillator with variable amplitude and frequency
- Oscillator frequency and amplitude sweep generator
- Output time constant: 10 μ s to 100 ks
- 8-bit programmable digital output port for external system control
- Three external ADCs, four external DACs
- Full range of auto-modes
- Standard IEEE-488 and RS232 interfaces with RS232 daisy-chain capability for up to 16 instruments
- Large back-lit liquid crystal display (LCD) with menus for control and display of instrument outputs in both digital and graphical format
- 32768 point internal curve storage buffer